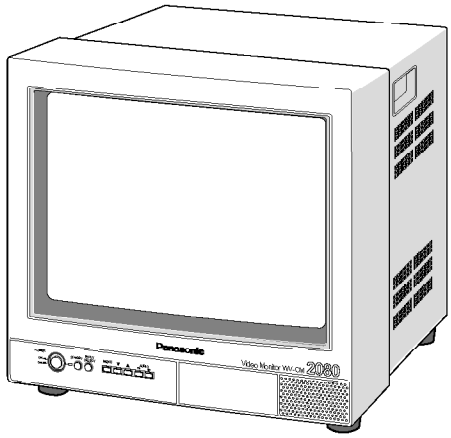
ORDER NO. AVS0104351C8

# Service Manual

Colour Monitor

# WV-CM1480/WV-CM1780/WV-CM2080



## SPECIFICATIONS

| | |
|---|---|
| **Power Source :** | 220 V-240 V AC, 50 Hz |
| **Power Consumption :** | WV-CM2080: 90 W |
| | WV-CM1780: 73 W |
| | WV-CM1480: 70 W |
| **Screen Size :** | WV-CM2080: 548 mm (21-9/16") diagonal tube size |
| | 508 mm (20") viewable size |
| | WV-CM1780: 444 mm (17-1/2") diagonal tube size |
| | 406 mm (16") viewable size |
| | WV CM1480: 394 mm (15 1/2") diagonal tube size |
| | 356 mm (14") viewable size |
| **Horizontal Resolution :** | WV-CM2080: More than 500 TV lines at centre |
| | WV-CM1780: More than 800 TV lines at centre |
| | WV-CM1480: More than 750 TV lines at centre |
| **S-video Input :** | Y: 1.0 V[p-p]/75 Ω, C: 0.3 V[p-p]/75 Ω, Mini DIN jack |
| **Video Input :** | 1.0 V[p-p] composite/75 Ω, BNC (x2) |
| **Video Output :** | Looped through input with Auto Termination, BNC (x2) |
| **Audio Input :** | –8 dB/Hi-Z, RCA pin-jack (x2) |
| **Audio output :** | Looped through input, RCA pin-jack (x2) |
| **Horizontal Scanning Frequency :** | 15.625 kHz |
| **Vertical Scanning Frequency :** | 50 Hz |
| **Sweep Linearity :** | Horizontal: Less than 5 % |
| | Vertical:Less than 5 % |
| **Sweep Distortion :** | Less than 2 % |
| **Speaker Output :** | 0.7 W |
| **Data Port :** | 6-conductor Modular Jack (x2) |
| **Standby On/Off Terminal:** | 1 circuit |
| **Ambient Operating Humidity :** | Less than 90 % |
| **Ambient Operating Temperature :** | –10°C - +50°C (14°F - 122°F) |

Panasonic

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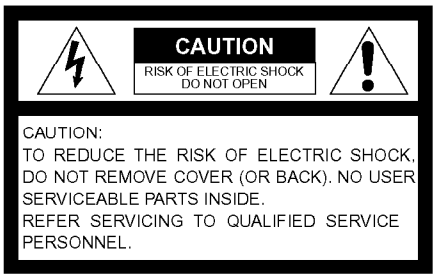
## ⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.



This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit.

This symbol alerts the user that important literature concerning the operation and maintenance of this has been included. Therefore, it should be read carefully in order to avoid any problems.

## IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are indicated by the "⚠" mark on the schematic diagram and the replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-radiation, shock, fire, or other hazards. Do not modify the original design without permission of manufacture.

**Dimensions :**
WV-CM2080: 482 (W) mm x 443 (H) mm x 476 mm (D) [19" (W) x 17-7/16" (H) x 18-3/4" (D)]
WV-CM1780: 406 mm (W) x 354 mm (H) x 426 mm (D) [16" x 13-15/16" x 16-13/16"]
WV-CM1480: 370 mm (W) x 352 mm (H) x 399 mm (D) [14-9/16" x 13-7/8" x 15-11/16"]

**Weight :**
WV-CM2080: 26.0 kg (57.3 lbs)
WV-CM1780: 18.5 kg (40.8 lbs.)
WV-CM1480: 15.0 kg (33.1 lbs.)

Weight and dimensions shown are approximate.
Specifications are subject to change without notice

# ACCESSORIES

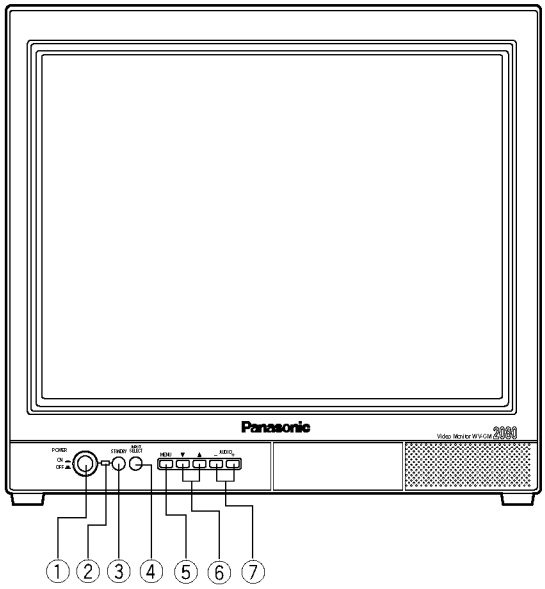
Power Cord ..... 1 pc.
Rack Mounting Bracket ..... 2 pcs. (WV-CM2080)
Fixing Screw for Rack Mounting Bracket ..... 8 pcs. (WV CM2080)

# CONTENTS


**Major Operating Controls and Their Functions** . . . . . 1
**Setting Up for Service of Main Board** . . . . . 3
**Adjustment Procedure** . . . . . 4
**Location of Test Points and Adjusting Controls** . . . . . 10
**Wiring Diagram** . . . . . 11
**Block Diagram** . . . . . 12
**Schematic Diagram**
Main Board (1/7) . . . . . 13
Main Board (2/7) . . . . . 14
Main Board (3/7) . . . . . 15
Main Board (4/7) . . . . . 16
Main Board (5/7) . . . . . 17
Main Board (6/7) . . . . . 18
Main Board (7/7) . . . . . 19
CRT Socket Board . . . . . 20
**Conductor View**
Main Board (Component Side View) . . . . . 21
Main Board (Pattern Side View) . . . . . 22
CRT Socket Board . . . . . 23
**Exploded View**
WV-CM1480 . . . . . 24
WV-CM1780 . . . . . 25
WV-CM2080 . . . . . 26
**Replacement Parts List** . . . . . 27

# MAJOR OPERATING CONTROLS AND THEIR FUNCTIONS

## ● Front View




* The above figures represent model WV-CM2080.

① **Power Button (POWER ON/OFF)**
This button turns the power of the monitor on and off.

② **Power Indicator**
This indicator is on when the power of the monitor is turned on, also in standby mode.
**On:** Green light
**Standby:** Orange light

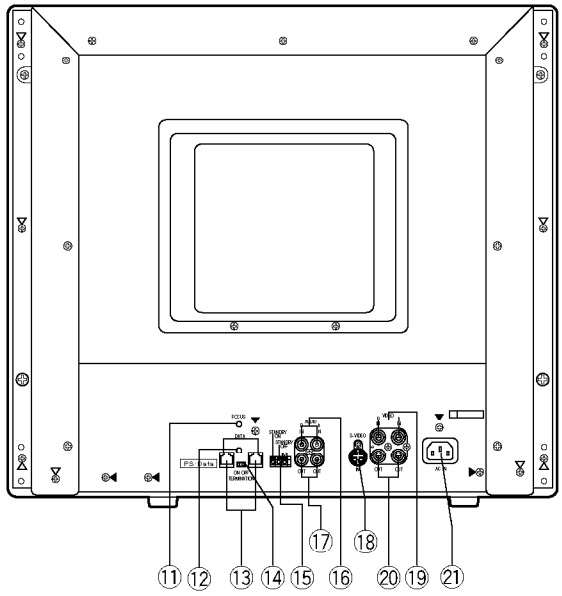
③ **Standby Button (STANDBY)**
Pressing this button toggles the display mode on the monitor screen as shown below.
**On:** Normal display
**Standby (Mode 1):** Low display brightness
**Standby (Mode 2):** No display (blackout)

④ **Input Selection Button (INPUT SELECT)**
Selects input in the sequence shown below.

→VIDEO IN A →VIDEO IN B →S-VIDEO IN →

⑤ **Menu Button (MENU)**
Pressing this button opens the Display Setting menu for changing the monitor's display settings.
Pressing this button for 5 seconds or more opens the COMMUNICATION SETUP menu.

## ● Rear View




⑥ **Direction Buttons (▼, ▲)**
These buttons move the cursor to the item parameters in the Display Setting and Setup menus.
**▼:** Down
**▲:** Up

⑦ **Decrement/Increment Buttons (AUDIO ⊖, ⊕)**
Press these buttons to increase or decrease the audio volume.
These buttons also select the item parameter or level in the Display Setting and Setup menu.

⑪ **Focus Control (FOCUS)**
This control adjusts the screen focus.

⑫ **Screen Control**
This control is preset at the factory.

⑬ **Data Ports (DATA)**
These ports are used to exchange control data with the System Controller in Panasonic Security Data mode.

⑭ **Data Termination Selector (TERMINATION ON/OFF)**
This selector is used to enable termination of the monitor's data port.

⑮ **Standby Control Terminal (STANDBY ON/STANDBY OFF/G)**
This terminal accepts input from an outboard device to control the standby mode.
It operates as follows:
**STANDBY ON:** Establishes the specified standby mode.
**STANDBY OFF:** Releases standby mode (normal display).

⑯ **Audio Input Connectors (AUDIO IN A/B)**
For audio input from an outboard device

⑰ **Audio Output Connectors (AUDIO OUT A/B)**
The audio input signal connected to the Audio Input Connector is looped through to this connector.

⑱ **S-Video Input Connector (S-VIDEO IN)**
For input of S-video signal from an outboard device.

⑲ **Video Input Connectors (VIDEO IN A/B)**
For input of composite video signal from an outboard device.

⑳ **Video Output Connectors (VIDEO OUT A/B)**
The video input signal connected to the Video Input Connector is looped through to this connector and terminated automatically.

㉑ **AC Inlet Socket (AC IN)**
Plug the power cord (supplied as a standard accessory) into this socket and connect it to an AC outlet.

# SETTING UP FOR SERVICE OF MAIN BOARD

- Referring to Fig. 1, remove three screws that secure the Bottom Cover, and remove the Bottom Cover.

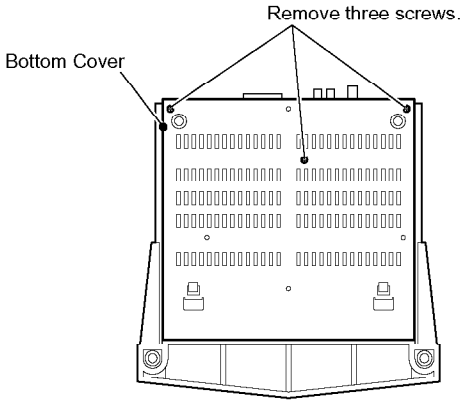



**Fig. 1**

- Referring to Fig. 2, remove two screws that secure the Main Board and disconnect two connectors (CN601 and CN902).

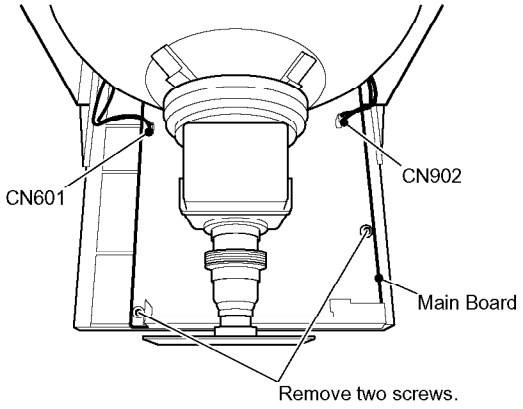



**Fig. 2**

- Referring to Fig. 3, pull out the Main Board and the Resin Chassis Ass'y until it stops while pressing the two hooks on the bottom face.

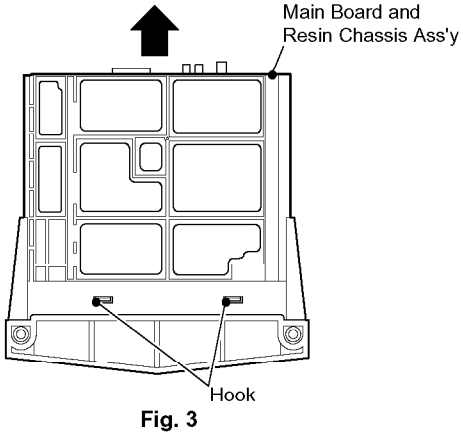



**Fig. 3**

- Referring to Fig. 4, remove the Main Board while releasing three hooks.

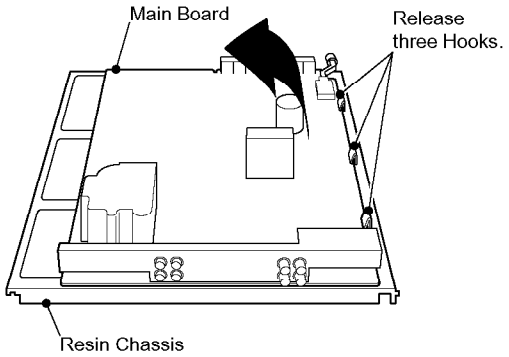



**Fig. 4**

- Mount the Resin Chassis to the Front Panel.
- Referring to Fig. 5, stand the Main Board with two stands and groove on the Resin Chassis.

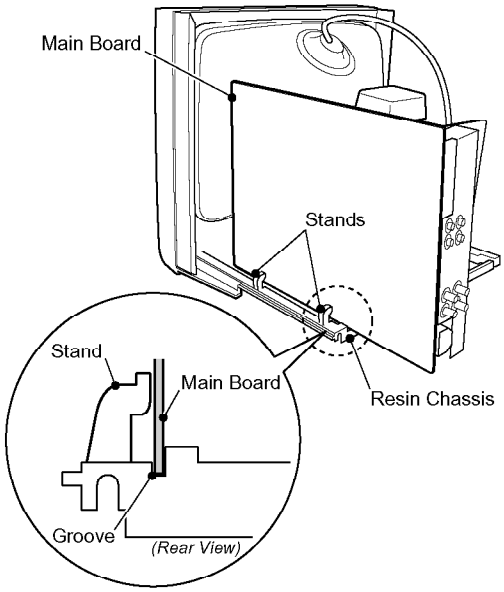



**Fig. 5**

# ADJUSTMENT PROCEDURE

## 1. Test Equipments Required

- The following Test Equipments are required for adjustment of the Colour Video Monitor WV-CM1480/WV-CM1780/WV-CM2080.
- Video Signal Generator
  - Colour Bar Signal
  - Grayscale Signal (8 stair steps)
  - Crosshatch Signal or Dot Signal
  - White Raster Signal
  - Red, Green and Blue each Raster Signal
- Monoscope Pattern Signal Generator
- Audio Analyzer (VP-7720 or equivalent)
- Oscilloscope
- Digital Voltmeter
- Degaussing Coil
- Ceramic Screwdriver
- Electric Torque Driver

## 2. Disassembling Procedure for Adjustment

**■ WV-CM1480 / WV-CM1780**

- Referring to Fig. 2-1, remove eight screws that secure the Upper Cover and remove the Upper Cover.

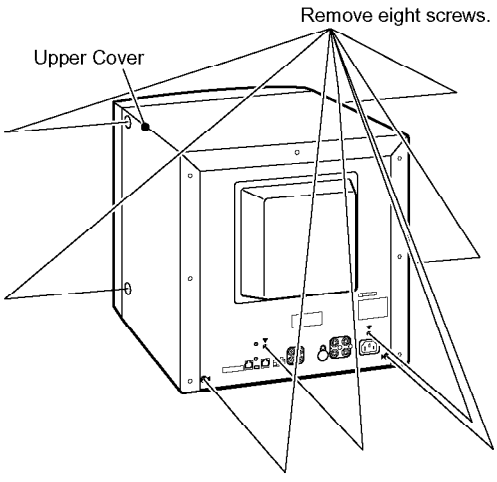



**Fig. 2-1**

**■ WV-CM2080**

- Referring to Fig. 2-2, remove thirteen screws that secure the Upper Cover and remove the Upper Cover.

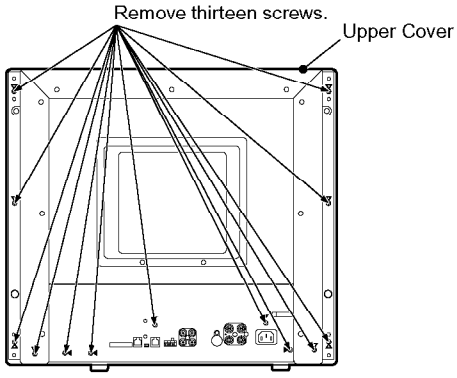



**Fig. 2-2**

## 3. Connection and Setting up for Adjustment

### 3.1. Connection

- Fig. 3-1 shows the connecting diagram for adjustment of the WV-CM1480/WV-CM1780/WV-CM2080.

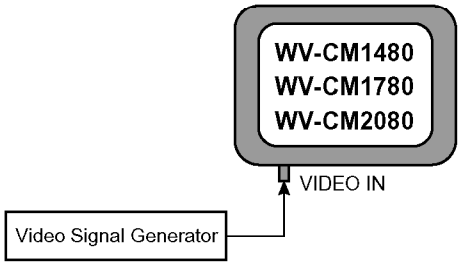



**Fig 3-1**

- Connect the coaxial cable between Video Input Connector of the WV-CM1480/WV-CM1780/WV-CM2080 and the Video Output Connector of the Video Signal Generator.
- Disconnect the Modular Cable from the Data Port of the WV-CM1480/WV-CM1780/WV-CM2080.
- The Fig. 3-2 shows the connecting diagram for the Audio Section adjustment.

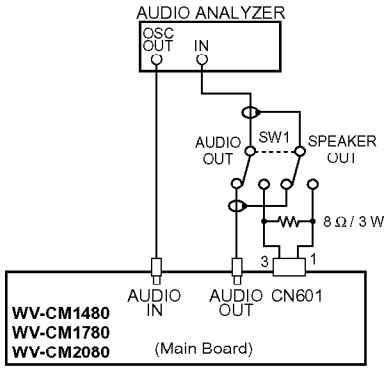



**Fig 3-2**

- Connect the Oscillator Output terminal of the Audio Analyzer and the Audio Input Connector of the WV-CM1480/WV-CM1780/WV-CM2080.
- Disconnect the Speaker from CN601 on the Main Board.
- Connect the Input terminal of the Audio Analyzer and the Audio Output Connector of the WV-CM1480/WV-CM1780/WV-CM2080 through selector (Audio Out or Speaker Out) SW1.
- Terminate the Speaker Output signal with 8 Ω/3 W.
- After completion of adjustment, connect the Speaker to CN601 on the Main Board.

## 3.2. Setting Up

- This adjustment should be done after 20 minutes warm up of the WV-CM1480/WV-CM1780/WV-CM2080.

**<Initial Setting>**

- Turn on the power.
- Select the Direction Button (▼ or ▲) to the NORMAL SETTINGS position.
- Press the Increment Button (+) or Decrement Button (–), and all the setting are initialized.
- Turn the Power Switch off.

**<Service Menu>**

- Turn on the power while pressing the Increment Button (**+**), the Decrement Button (**–**) and the Menu Button (**MENU**) simultaneously, and enter to the Service Mode.
- Press the Menu Button (**MENU**) once, and the **DEF MENU** will appear on the Monitor Screen.
- The items of the **DEF MENU** changes as shown in Fig. 3-3 by pressing the Direction Button (▼ or ▲).

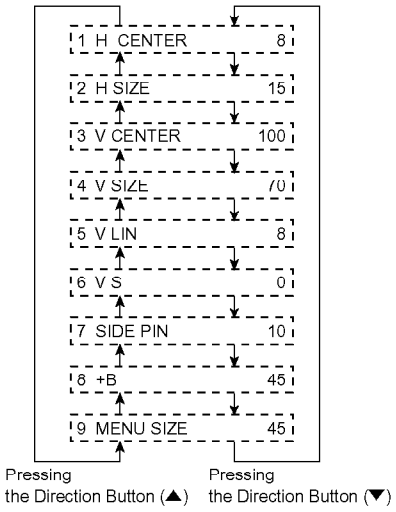

1 H CENTER 8
2 H SIZE 15
3 V CENTER 100
4 V SIZE 70
5 V LIN 8
6 V S 0
7 SIDE PIN 10
8 +B 45
9 MENU SIZE 45
Pressing the Direction Button (▲)
Pressing the Direction Button (▼)

**Fig. 3-3**

- Press the Menu Button (**MENU**) once, and the **W/B MENU** will appear on the Monitor Screen.
- The items of the **W/B MENU** changes as shown in Fig. 3-4 by pressing the Direction Button (▼ or ▲).

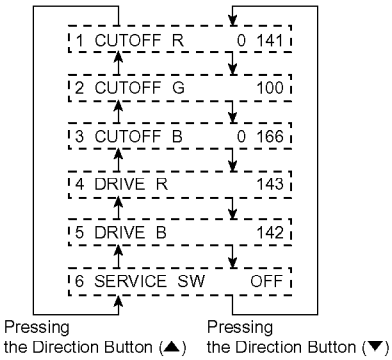

1 CUTOFF R 0 141
2 CUTOFF G 100
3 CUTOFF B 0 166
4 DRIVE R 143
5 DRIVE B 142
6 SERVICE SW OFF
Pressing the Direction Button (▲)
Pressing the Direction Button (▼)

**Fig. 3-4**

- Press the Menu Button (**MENU**) once, and the **SUB MENU** will appear on the Monitor Screen.
- The items of the **SUB MENU** changes as shown in Fig. 3-5 by pressing the Direction Button (▼ or ▲).

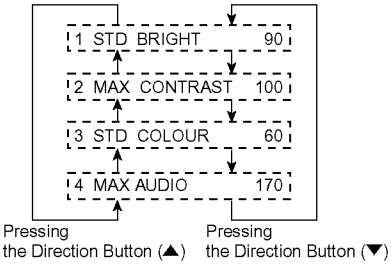

1 STD BRIGHT 90
2 MAX CONTRAST 100
3 STD COLOUR 60
4 MAX AUDIO 170
Pressing the Direction Button (▲)
Pressing the Direction Button (▼)

**Fig. 3-5**

- Press the Menu Button (**MENU**) once, and the **ADJ MENU** will appear on the Monitor Screen as shown in Fig. 3-6.

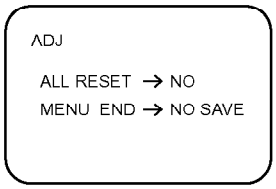



**Fig. 3-6**

# 4. Adjustment Procedure

- Refer to the Location of Test Points and Adjusting Controls on the page 10.

### (1). 120V Adjustment

**Test Point:** **TP901 (120V)** **Main Board**
**Adjust:** **Increment Button (+)** **Front Panel**
**Decrement Button (–)** **Front Panel**

- Turn on the power while pressing the Increment Button (**+**), the Decrement Button (**–**) and the Menu Button (**MENU**) simultaneously, and enter to the Service Mode.
- Supply the Grayscale signal to Video Input Connector.
- Adjust the SCREEN control so that the stair steps become visibly certain.
- Enter to the **DEF MENU** by pressing the Menu Button (**MENU**).
- Select **+B** by pressing the Direction Button (▼ or ▲).
- Connect the Digital Multimeter to TP901.
- Adjust **+B** by pressing the Increment Button (**+**) or the Decrement Button (**–**) so that the DC voltage at TP901 becomes 120 V ± 0.5 V.

### (2). Screen Cut off Coarse Adjustment

**Test Point:** **TP802 (G)** **CRT Socket Board**
**Adjust:** **Increment Button (+)** **Front Panel**
**Decrement Button (–)** **Front Panel**
**SCREEN Control of Flyback Transformer**
**Main Board**

- Supply the Grayscale signal to Video Input Connector.
- Enter to the **SUB MENU** by pressing the Menu Button (**MENU**).
- Select **STD BRIGHT** by pressing the Direction Button (▼ or ▲).
- Connect the Oscilloscope to TP802.
- Set the Input Selector of the Oscilloscope to the DC Mode.
- Adjust **STD BRIGHT** by pressing the Increment Button (**+**) or the Decrement Button (**–**) so that G Pedestal becomes 135 V ± 2 V as shown in Fig. 4-1.

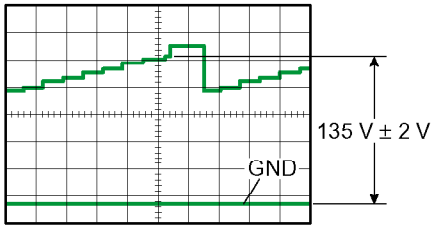



**Fig. 4-1**

- Adjust the SCREEN control so that only the 8th step of stair steps becomes cut off.

### (3). Contrast Adjustment

**Test Point:** **TP802 (G)** **CRT Socket Board**
**Adjust:** **Increment Button (+)** **Front Panel**
**Decrement Button (–)** **Front Panel**

- Supply the Grayscale signal to the Video Input Connector.
- Enter to the **SUB MENU** by pressing the Menu Button (**MENU**).
- Select **STD BRIGHT** by pressing the Direction Button (▼ or ▲).
- Note the current value of **STD BRIGHT**, and set **STD BRIGHT** to **0** by pressing the Increment Button (**+**) or the Decrement Button (**–**).
- Select **MAX CONTRAST** by pressing the Direction Button (▼ or ▲).
- Connect the Oscilloscope to TP802.
- Set the Input Selector of the Oscilloscope to the AC Mode.
- Adjust **MAX CONTRAST** by pressing the Increment Button (**+**) or the Decrement Button (**–**) so that the output of TP802 becomes 70 V ± 3 V[p-p] as shown in Fig. 4-2.

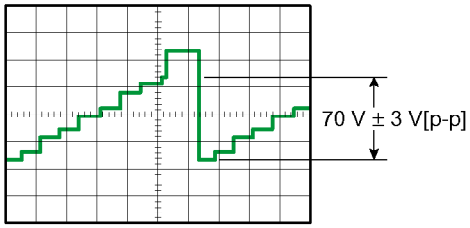



**Fig. 4-2**

- Select the **STD BRIGHT** item by pressing the Direction Button (▼ or ▲).
- Set **STD BRIGHT** to the noted value.

### (4). Centering and Size Coarse Adjustment

**Adjust:** **Increment Button (+)** **Front Panel**
**Decrement Button (–)** **Front Panel**
**Observe:** **Video Monitor Screen**

- Supply the Monoscope Pattern signal to the Video Input Connector.
- Enter to the **DEF MENU** by pressing the Menu Button (**MENU**).
- Select **H CENTER** by pressing the Direction Button (▼ or ▲).
- Adjust **H CENTER** by pressing the Increment Button (**+**) or the Decrement Button (**–**) so that the screen is set to the horizontal center position.
- Select **H SIZE** by pressing the Direction Button (▼ or ▲).
- Adjust **H SIZE** by pressing the Increment Button (**+**) or the Decrement Button (**–**) so that the full horizontal width becomes approx. 8 % overscanning.

- Select **SIDE PIN** by pressing the Direction Button (▼ or ▲).
- Adjust **SIDE PIN** by pressing the Increment Button (+) or the Decrement Button (–) so that the vertical lines (both right and left sides of Monoscope Pattern signal) become straight.
- Select **V CENTER** ,**V SIZE** ,**V LIN** and **V S** by pressing the Direction Button (▼ or ▲).
- Adjust **V CENTER** ,**V SIZE** ,**V LIN** and **V S** by pressing the Increment Button (+) or the Decrement Button (–) so that the full vertical height becomes approx. 8 % overscanning.

### (5). Colour Adjustment

**Test Point:** **TP803 (B)** **CRT Socket Board**
**Adjust:** **Increment Button (+)** **Front Panel**
**Decrement Button (–)** **Front Panel**

- Supply the Colour Bar signal to the Video Input Connector.
- Enter to the **SUB MENU** by pressing the Menu Button (**MENU**).
- Select **STD COLOUR** by pressing the Direction Button (▼ or ▲).
- Connect the terminated Oscilloscope with 75 Ω to TP803.
- Adjust **STD COLOUR** by pressing the Increment Button (+) or the Decrement Button (–) so that the output of TP803 becomes the proper value as shown in Fig. 4-3 and Table. 4-1.

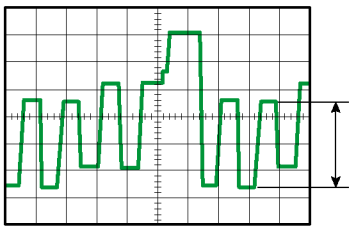



**Fig. 4-3**

| WV CM1480 | WV CM1780 | WV CM2080 |
|---|---|---|
| 30 V ± 2 V[p-p] | 32 V ± 2 V[p-p] | 30 V ± 2 V[p-p] |

**Table. 4-1**

### (6). Character Size Adjustment

**Adjust:** **Increment Button (+)** **Front Panel**
**Decrement Button (–)** **Front Panel**
**Observe:** **Video Monitor Screen**

- Enter to the **DEF MENU** by pressing the Menu Button (**MENU**).
- Select **MENU SIZE** by pressing the Direction Button (▼ or ▲).
- Adjust **MENU SIZE** by pressing the Increment Button (+) or the Decrement Button (–) so that the both right and left sides of the White Rectangle on the Monitor Screen become same width as shown in Fig. 4-4.

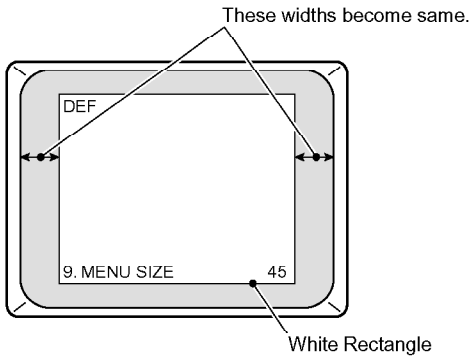



**Fig. 4-4**

### (7). Audio Maximum Output Level Adjustment

**Adjust:** **Increment Button (+)** **Front Panel**
**Decrement Button (–)** **Front Panel**
**Observe:** **Audio Analyzer**

- Supply the Colour Bar signal to the Video Input Connector.
- Set the Selector (Audio Out or Speaker Out) SW1 to the Speaker Out position.
- Set the Output Level and the Oscillation Frequency of the Audio Analyzer to –14 dBV ± 0.3 dBV, 1 kHz.
  (Input level to WV-CM1480/WV-CM1780/WV-CM2080 will be –8.0 dBV ± 0.3 dBV)
- Enter to the **SUB MENU** by pressing the Menu Button (**MENU**).
- Select **MAX AUDIO** by pressing the Direction Button (▼ or ▲).
- Adjust **MAX AUDIO** by pressing the Increment Button (+) or the Decrement Button (–) so that the output level becomes 7.4 dBV ± 0.5 dBV on the Audio Analyzer.

### (8). Screen Cut off Fine Adjustment

**Adjust:** **SCREEN Control of Flyback Transformer**
**Main Board**

**Observe:** **Video Monitor Screen**

- Supply the Grayscale signal to the Video Input Connector.
- Adjust the SCREEN control so that the 8th step of the stair step becomes cut off.

### (9). Purity Adjustment

**Adjust:** **Purity Magnet**
**Deflection Coil**

**Observe:** **Video Monitor Screen**

- This adjustment should be done after aging for more than 20 minutes.
- Adjust the FOCUS control on the Flyback Transformer for the best focus and then disconnect the input signal.
- Degauss the CRT screen with a degaussing coil.
- Loosen the deflection coil fixing screw as shown in Fig. 4-5.
- Move back the deflection coil until it reaches to the purity magnet.

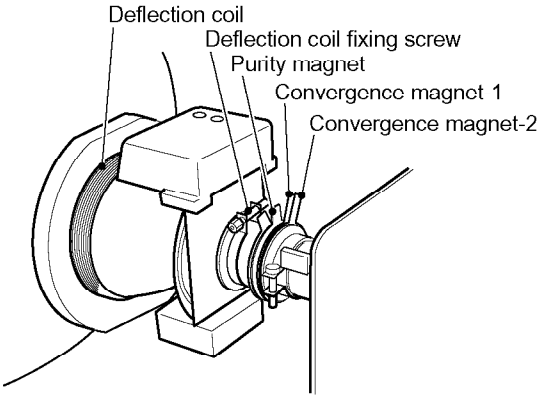



**Fig. 4-5**

- Supply the Red Raster signal to the Video Input Connector.
- Adjust the purity magnet so that the red area comes to the center on the CRT screen as shown in Fig. 4-6.

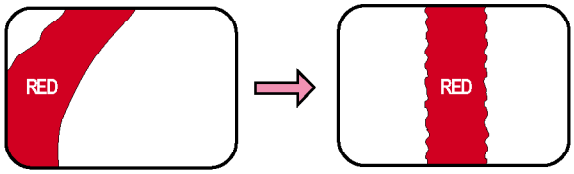



**Fig. 4-6**

- Rotate the deflection coil to find the point where the center portion of the red area becomes equal on the CRT screen.
- Move the deflection coil forward until the red colour fully occupies the entire screen and tighten the screws that secure the deflection coil.

**Note:** For WV-CM1480/WV-CM1780, do not adjust two variable resistors and magnets on the Deflection Coil as shown in Fig. 4-7.

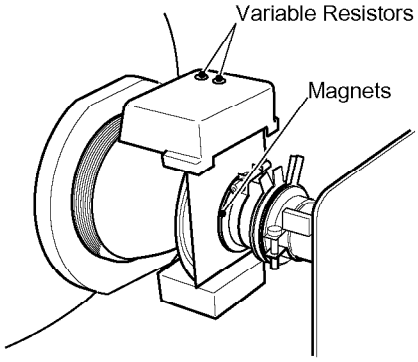



**Fig. 4-7**

### (10). Convergence Adjustment

**Adjust:** **Convergence magnet-1**
**Convergence magnet-2**

**Observe:** **Video Monitor Screen**

- Supply the Crosshatch signal or the Dot Signal to the Video Input Connector.
- Adjust the FOCUS control on the Flyback Transformer for the best focus.
- Degauss the CRT screen with a degaussing coil.
- Adjust the Convergence magnet-2 so that the red and blue dots on the center area of the CRT screen is overlapped.
- Adjust the Convergence magnet-1 so that the green and magenta (red+blue) dots on the center area of the CRT screen is overlapped.
- Repeat above adjustment until no discrepancy appears on the entire screen.

### (11). White Balance Adjustment

**Adjust:** **Increment Button (+)** **Front Panel**
**Decrement Button (–)** **Front Panel**
**Observe:** **Video Monitor Screen**

- Supply the White Raster signal to the Video Input Connector.
- Enter to the **W/B MENU** by pressing the Menu Button (**MENU**).
- Select **CUTOFF R**, **CUTOFF B**, **DRIVE R** or **DRIVE B** by pressing the Direction Button (▼ or ▲).
- Adjust **CUTOFF R**, **CUTOFF B**, **DRIVE R** or **DRIVE B** by pressing the Increment Button (+) or the Decrement Button (–) so that the raster on the CRT Screen becomes White.

### (12). Centering and Size Fine Adjustment

**Adjust:** **Increment Button (+)** **Front Panel**
**Decrement Button (–)** **Front Panel**
**Observe:** **Video Monitor Screen**

- Supply the Monoscope Pattern signal to the Video Input Connector.
- Enter to the **DEF MENU** by pressing the Menu Button (**MENU**).
- Select **H CENTER** by pressing the Direction Button (▼ or ▲).
- Adjust **H CENTER** by pressing the Increment Button (+) or the Decrement Button (–) so that the screen is set to the horizontal center position.
- Select **H SIZE** by pressing the Direction Button (▼ or ▲).
- Adjust **H SIZE** by pressing the Increment Button (+) or the Decrement Button (–) so that the full horizontal width becomes 8 % ± 2 % overscanning.
- Select **V CENTER** by pressing the Direction Button (▼ or ▲).
- Adjust **V CENTER** by pressing the Increment Button (+) or the Decrement Button (–) so that the Monoscope Pattern signal positions at the vertical center on the Monitor screen.
- Select **V SIZE** by pressing the Direction Button (▼ or ▲).
- Adjust **V SIZE** by pressing the Increment Button (+) or the Decrement Button (–) so that the full vertical height becomes 8 % ± 2 % overscanning.
- Repeat adjusting **H CENTER**, **H SIZE**, **V CENTER** and **V SIZE** until they are satisfied.
- Select **SIDE PIN** by pressing the Direction Button (▼ or ▲).
- Adjust **SIDE PIN** by pressing the Increment Button (+) or the Decrement Button (–) so that the vertical lines (both right and left sides of Monoscope Pattern signal) become straight.

### (13). Focus Adjustment

**Adjust:** **FOCUS control of Flyback Transformer Main Board**
**Observe:** **Video Monitor Screen**

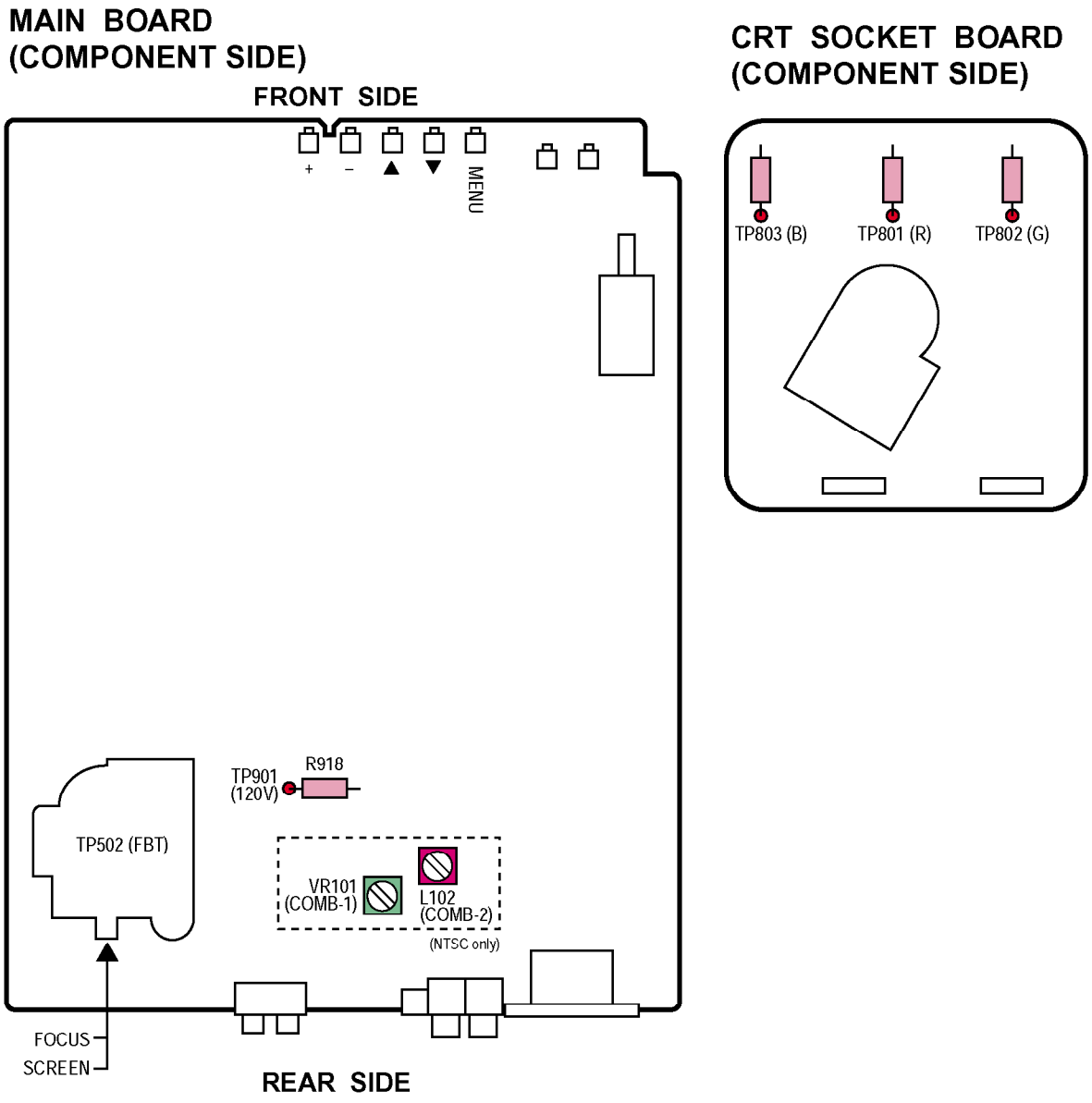
- Supply the Crosshatch signal or the Dot signal to the Video Input Connector.
- Adjust the FOCUS control for the best focus.

### (14). Sub Bright Adjustment

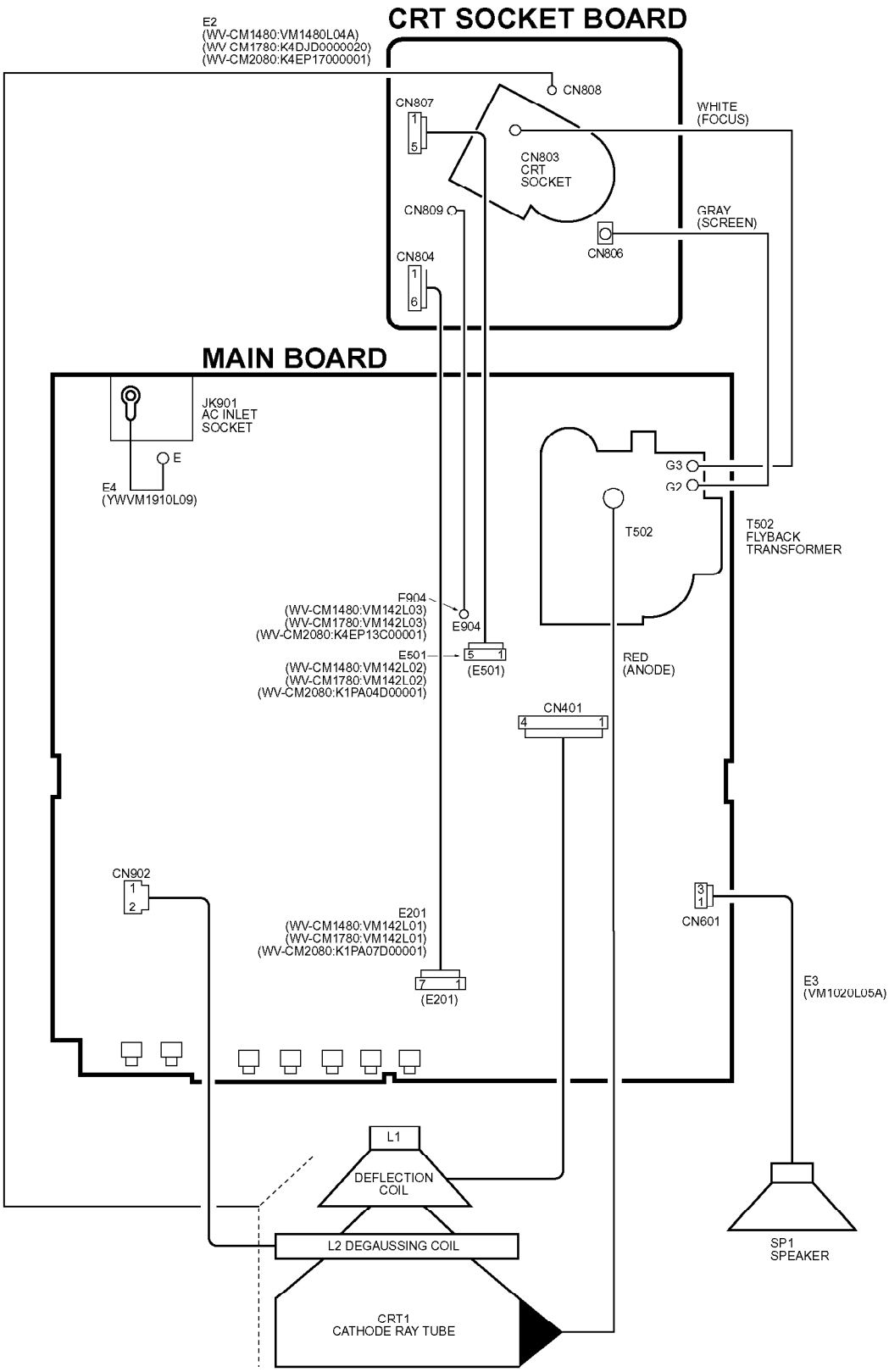
**Adjust:** **Increment Button (+)** **Front Panel**
**Decrement Button (–)** **Front Panel**
**Observe:** **Video Monitor Screen**

- Supply the Grayscale signal to the Video Input Connector.
- Isolate the Monitor Screen from the outside light source.
- Enter to the **SUB MENU** by pressing the Menu Button (**MENU**).
- Select **STD BRIGHT** by pressing the Direction Button (▼ or ▲).
- Adjust **STD BRIGHT** by pressing the Increment Button (+) or the Decrement Button (–) so that only the 8th step becomes cut off.

# LOCATION OF TEST POINTS AND ADJUSTING CONTROLS

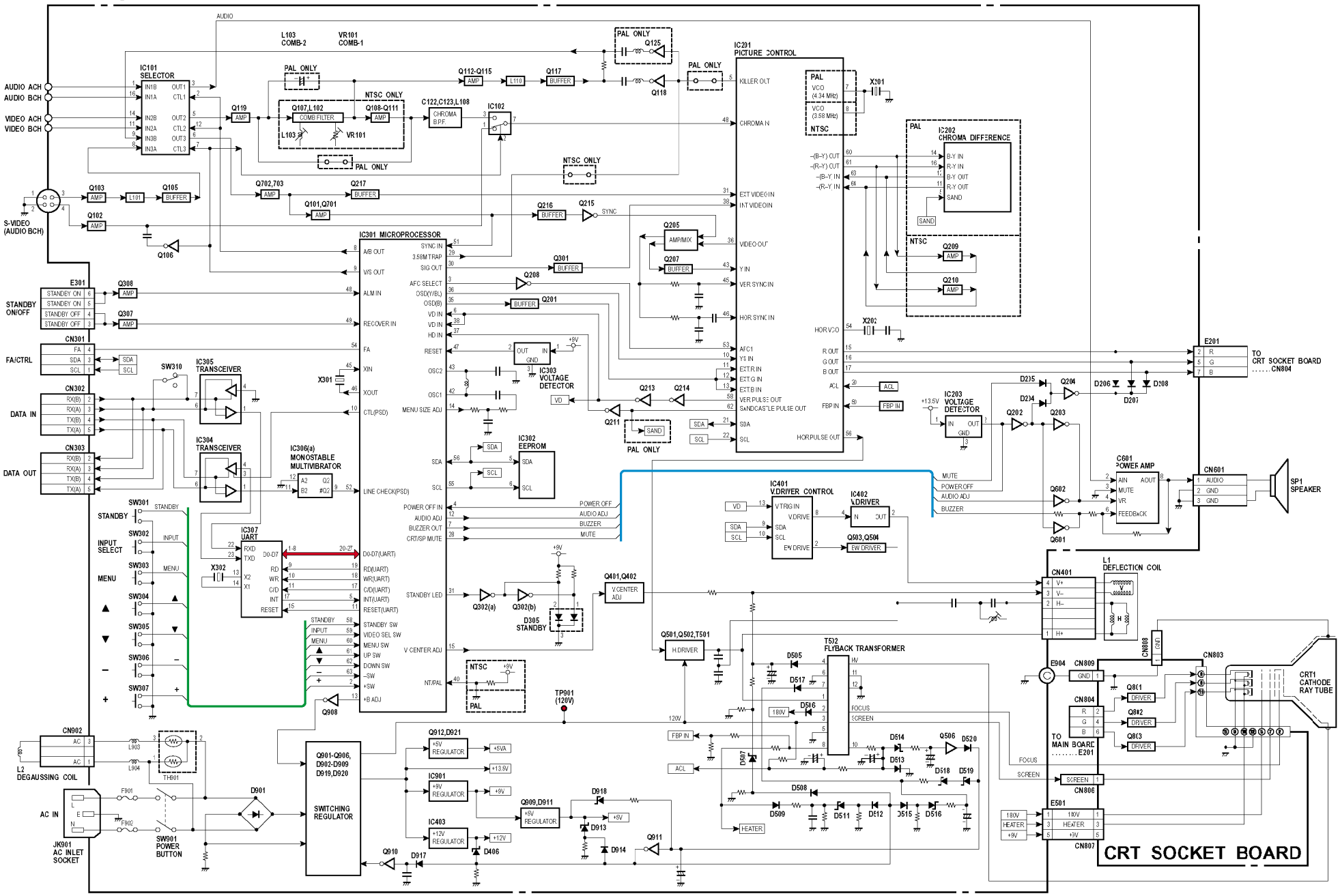


# WIRING DIAGRAM

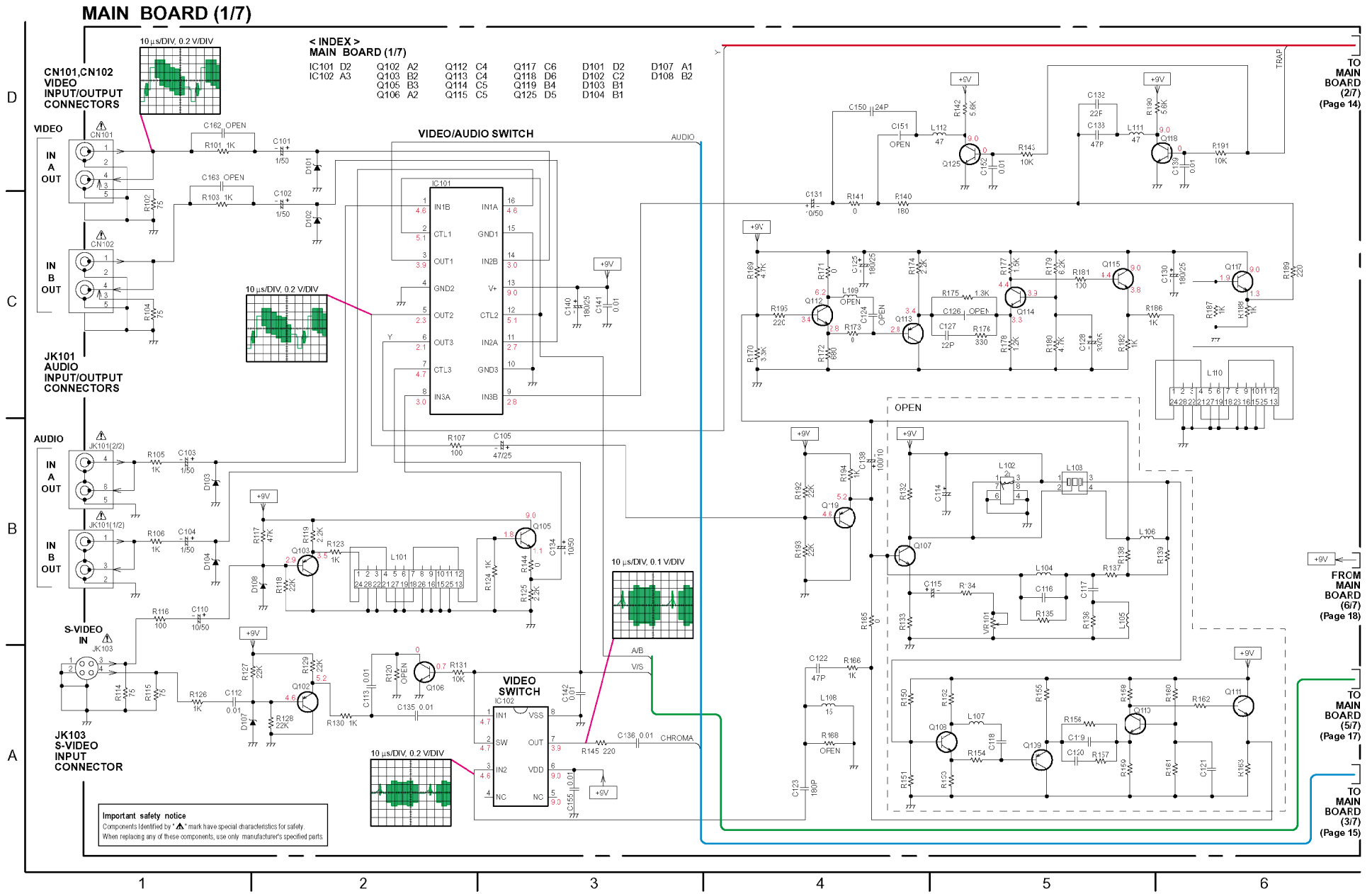


# BLOCK DIAGRAM

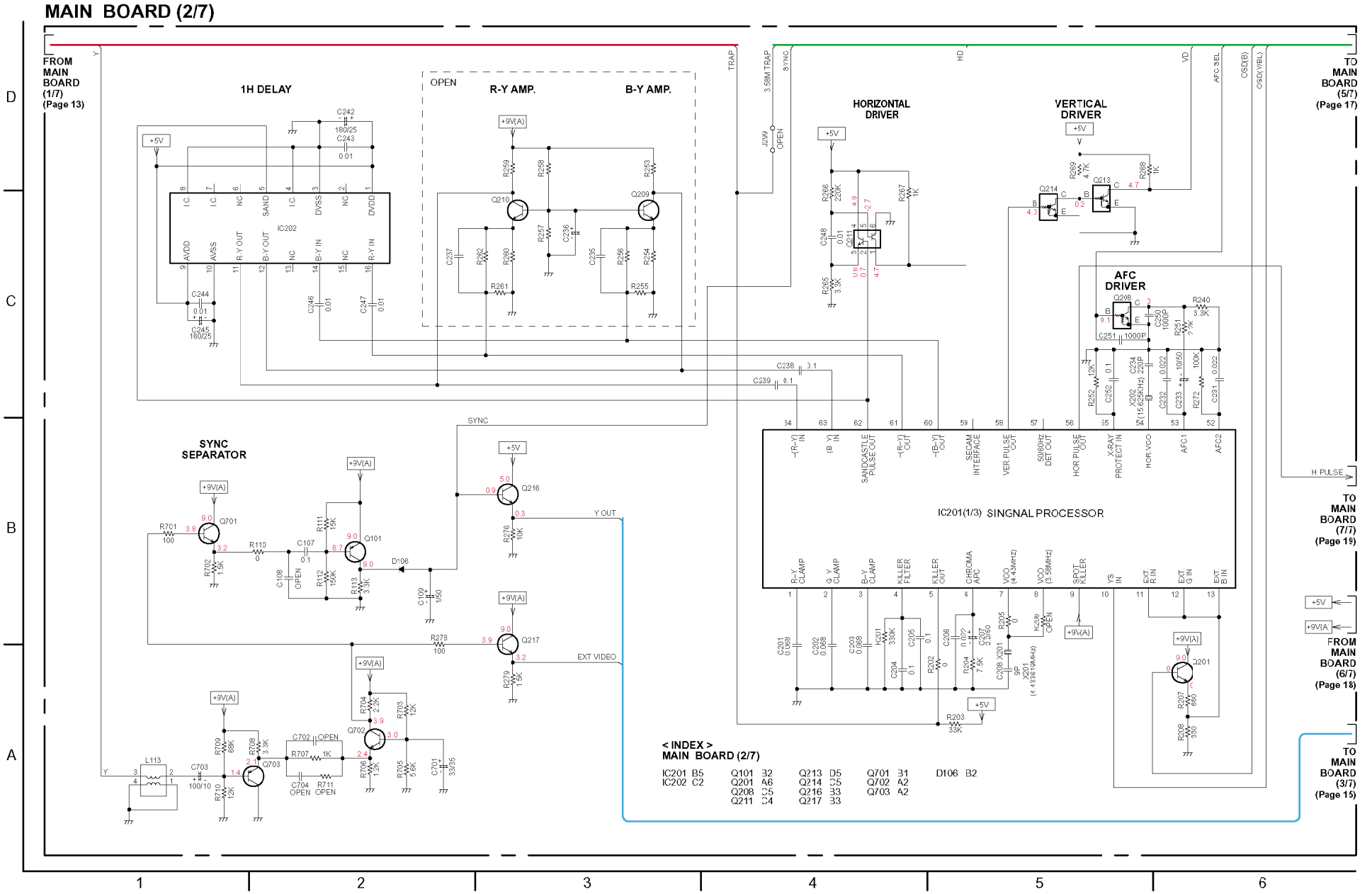
## MAIN BOARD



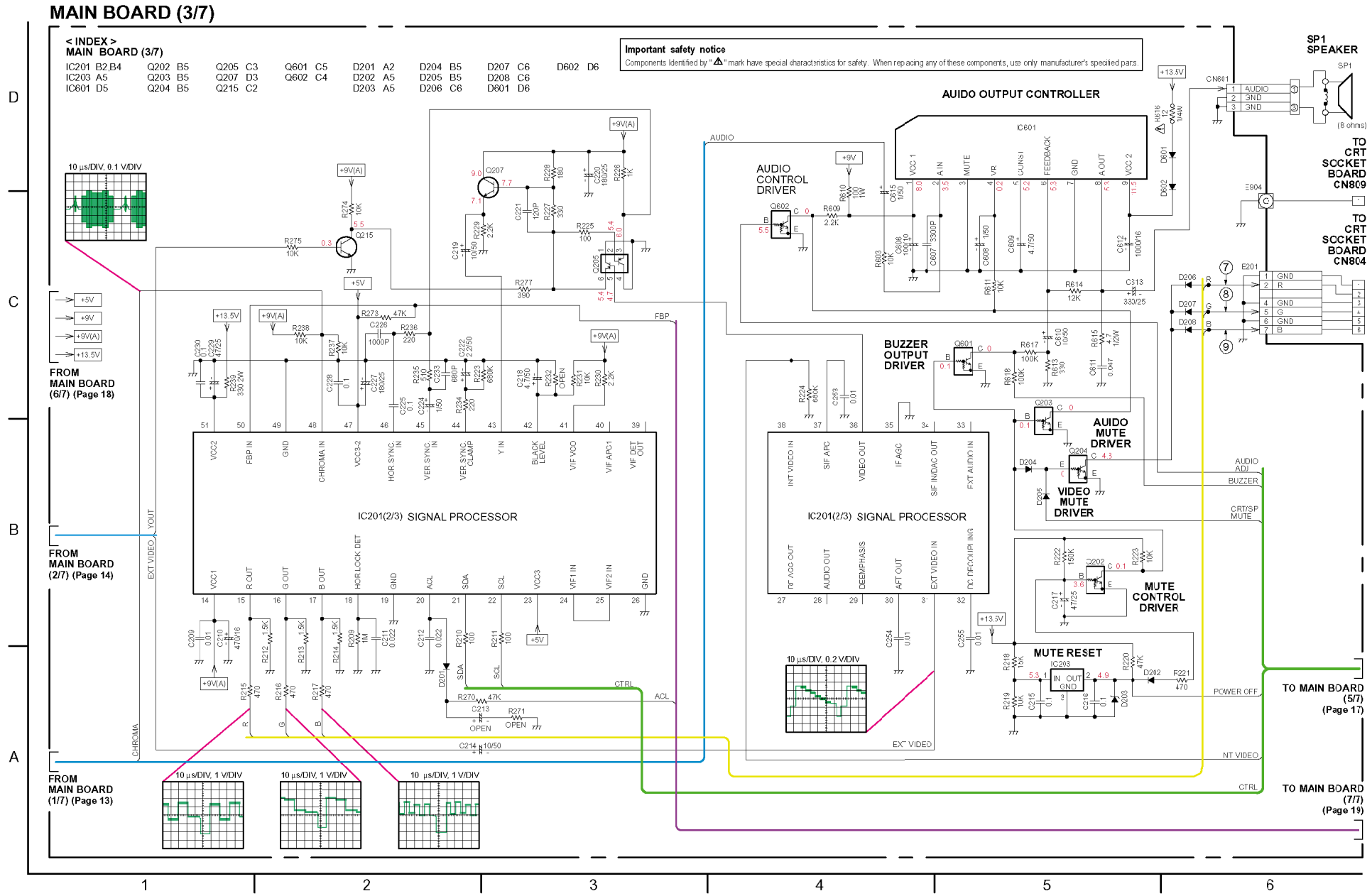
# SCHEMATIC DIAGRAM OF MAIN BOARD (1/7)



# SCHEMATIC DIAGRAM OF MAIN BOARD (2/7)

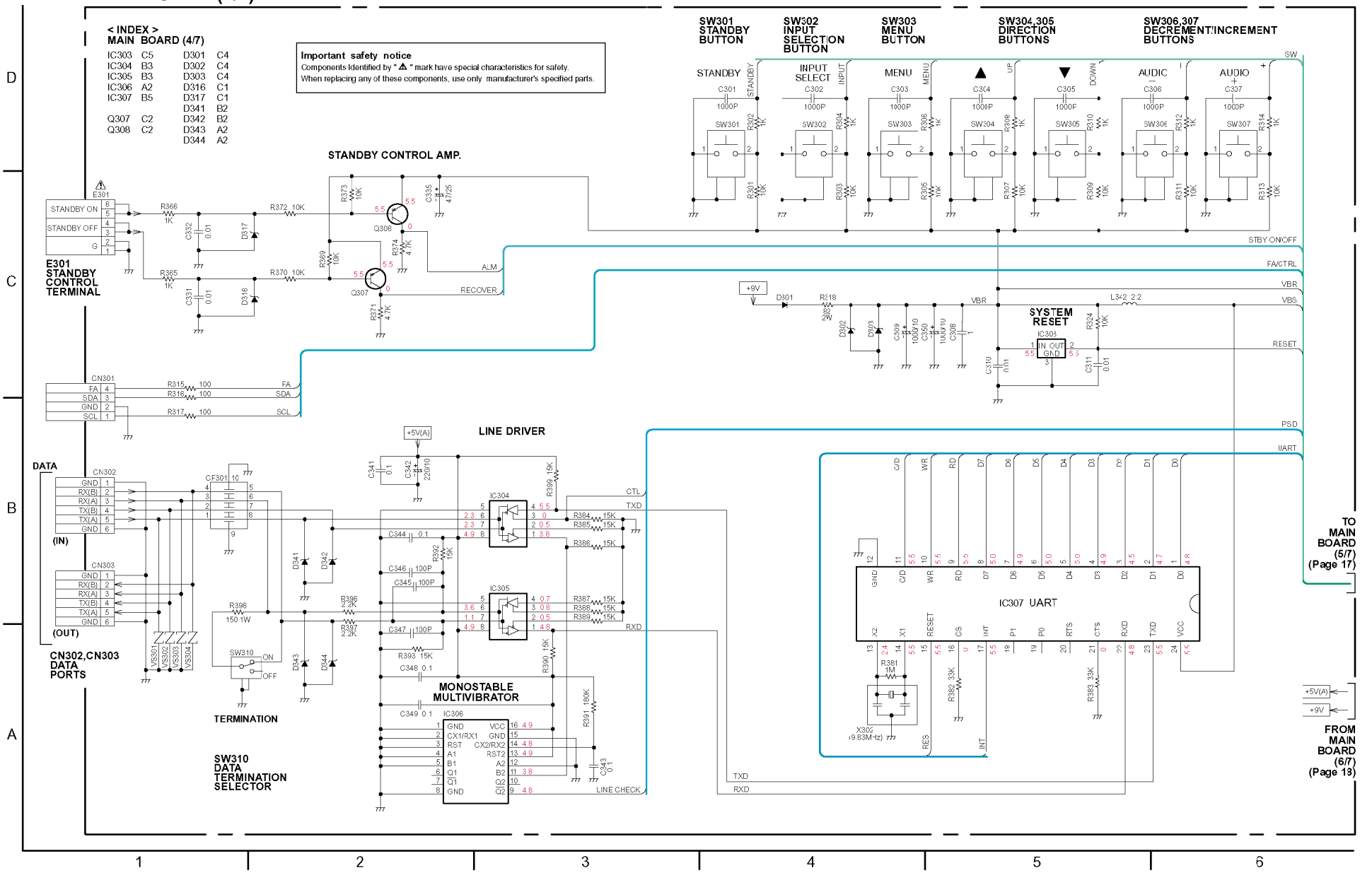


# SCHEMATIC DIAGRAM OF MAIN BOARD (3/7)



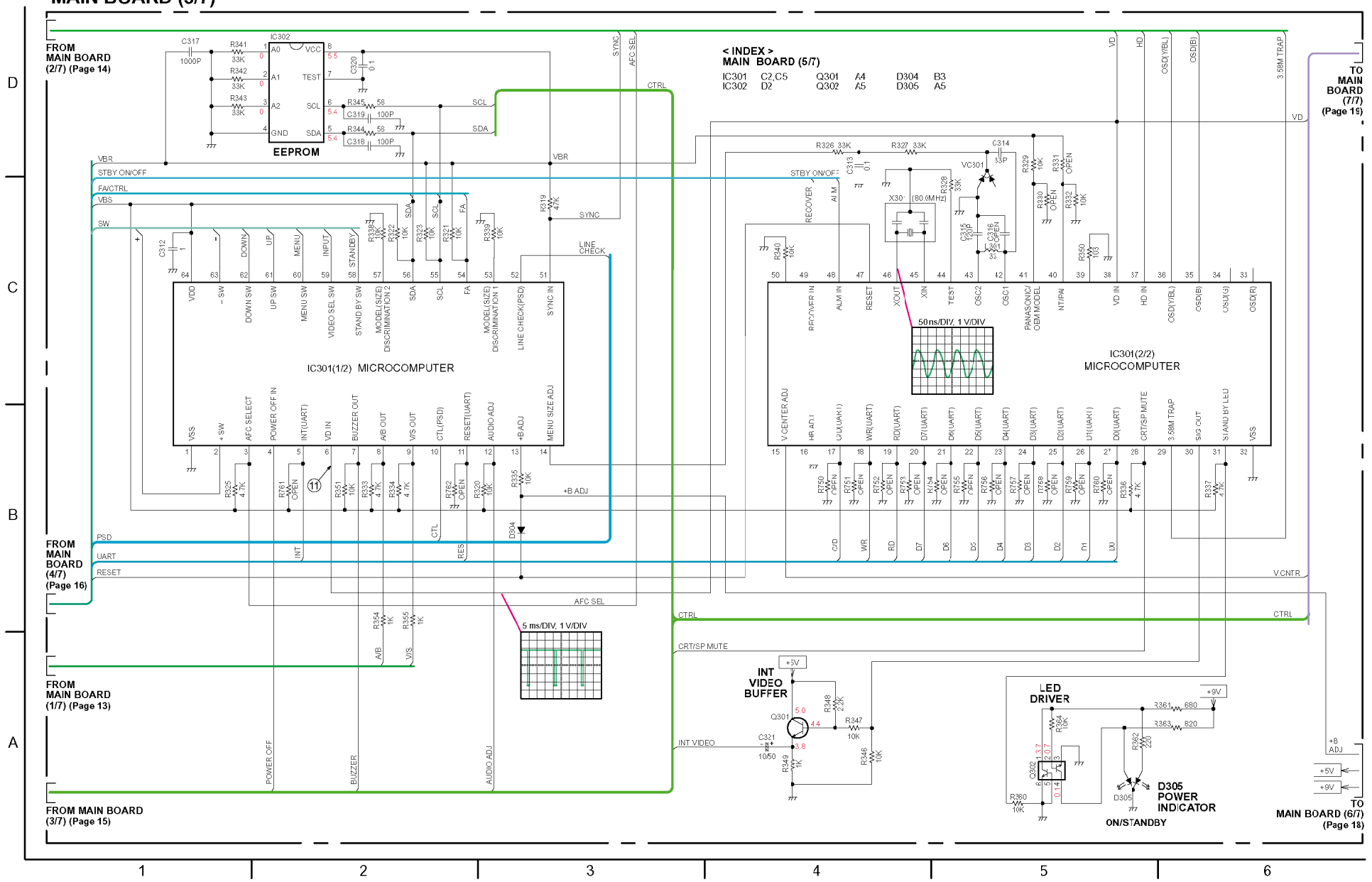
# SCHEMATIC DIAGRAM OF MAIN BOARD (4/7)

## MAIN BOARD (4/7)

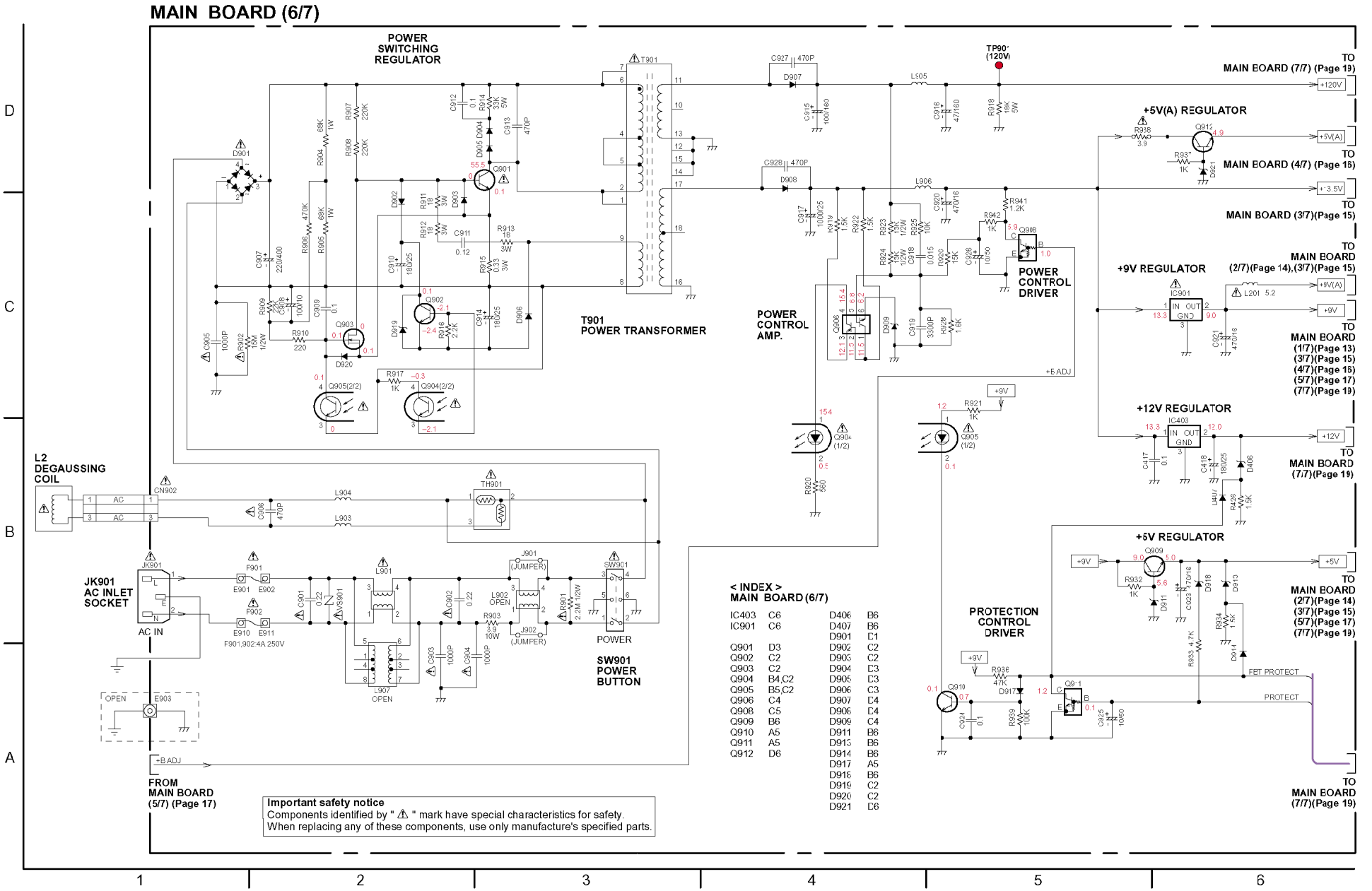


# SCHEMATIC DIAGRAM OF MAIN BOARD (5/7)

## MAIN BOARD (5/7)



# SCHEMATIC DIAGRAM OF MAIN BOARD (6/7)

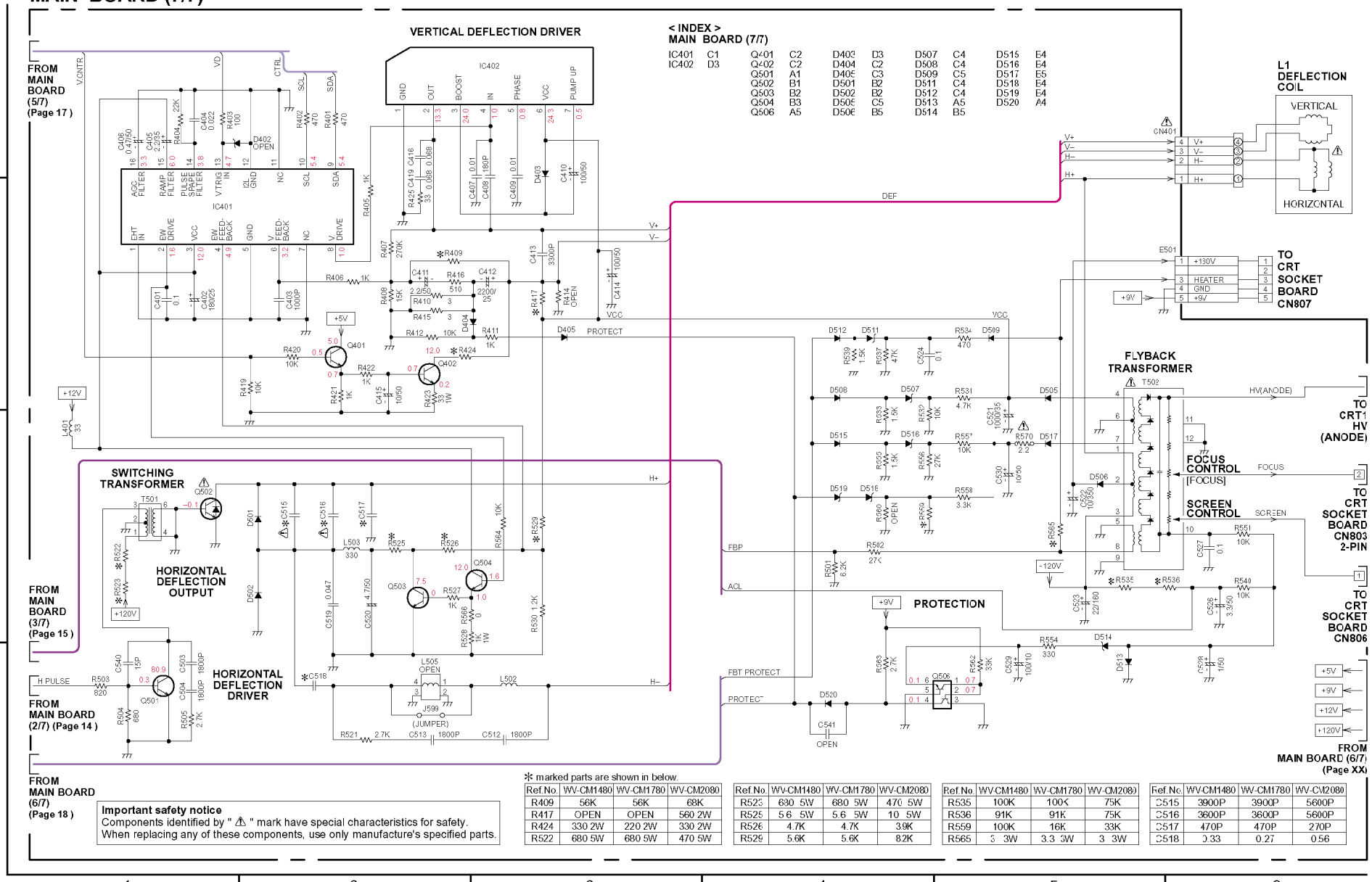

MAIN BOARD (6/7)
POWER SWITCHING REGULATOR
T901 POWER TRANSFORMER
POWER CONTROL AMP.
POWER CONTROL DRIVER
+5V(A) REGULATOR
+9V REGULATOR
+12V REGULATOR
+5V REGULATOR
PROTECTION CONTROL DRIVER
L2 DEGAUSSING COIL
JK901 AC INLET SOCKET
AC IN
POWER
SW901 POWER BUTTON
FROM MAIN BOARD (5/7) (Page 17)
TO MAIN BOARD (7/7) (Page 19)
TO MAIN BOARD (4/7) (Page 15)
TO MAIN BOARD (3/7)(Page 15)
TO MAIN BOARD (2/7)(Page 14),(3/7)(Page 15)
TO MAIN BOARD (1/7)(Page 13) (3/7)(Page 15) (4/7)(Page 16) (5/7)(Page 17) (7/7)(Page 19)
TO MAIN BOARD (7/7)(Page 19)
TO MAIN BOARD (2/7)(Page 14) (3/7)(Page 15) (5/7)(Page 17) (7/7)(Page 19)
TO MAIN BOARD (7/7)(Page 19)
+B ADJ
FET PROTECT
PROTECT
Important safety notice
Components identified by " ⚠ " mark have special characteristics for safety.
When replacing any of these components, use only manufacture's specified parts.

< INDEX > MAIN BOARD (6/7)

| | | | |
|---|---|---|---|
| IC403 | C6 | D406 | B6 |
| IC901 | C6 | D407 | B6 |
| | | D901 | D1 |
| Q901 | D3 | D902 | C2 |
| Q902 | C2 | D903 | C2 |
| Q903 | C2 | D904 | D3 |
| Q904 | B4,C2 | D905 | D3 |
| Q905 | B5,C2 | D906 | C3 |
| Q906 | C4 | D907 | D4 |
| Q908 | C5 | D908 | D4 |
| Q909 | B6 | D909 | C4 |
| Q910 | A5 | D911 | B6 |
| Q911 | A5 | D913 | B6 |
| Q912 | D6 | D914 | B6 |
| | | D917 | A5 |
| | | D918 | B6 |
| | | D919 | C2 |
| | | D920 | C2 |
| | | D921 | D6 |

# SCHEMATIC DIAGRAM OF MAIN BOARD (7/7)

## MAIN BOARD (7/7)




**Important safety notice**
Components identified by " ⚠ " mark have special characteristics for safety.
When replacing any of these components, use only manufacture's specified parts.

✻ marked parts are shown in below.

| Ref.No. | WV-CM1480 | WV-CM1780 | WV-CM2080 |
|---|---|---|---|
| R409 | 56K | 56K | 68K |
| R417 | OPEN | OPEN | 560 2W |
| R424 | 330 2W | 220 2W | 330 2W |
| R522 | 680 5W | 680 5W | 470 5W |

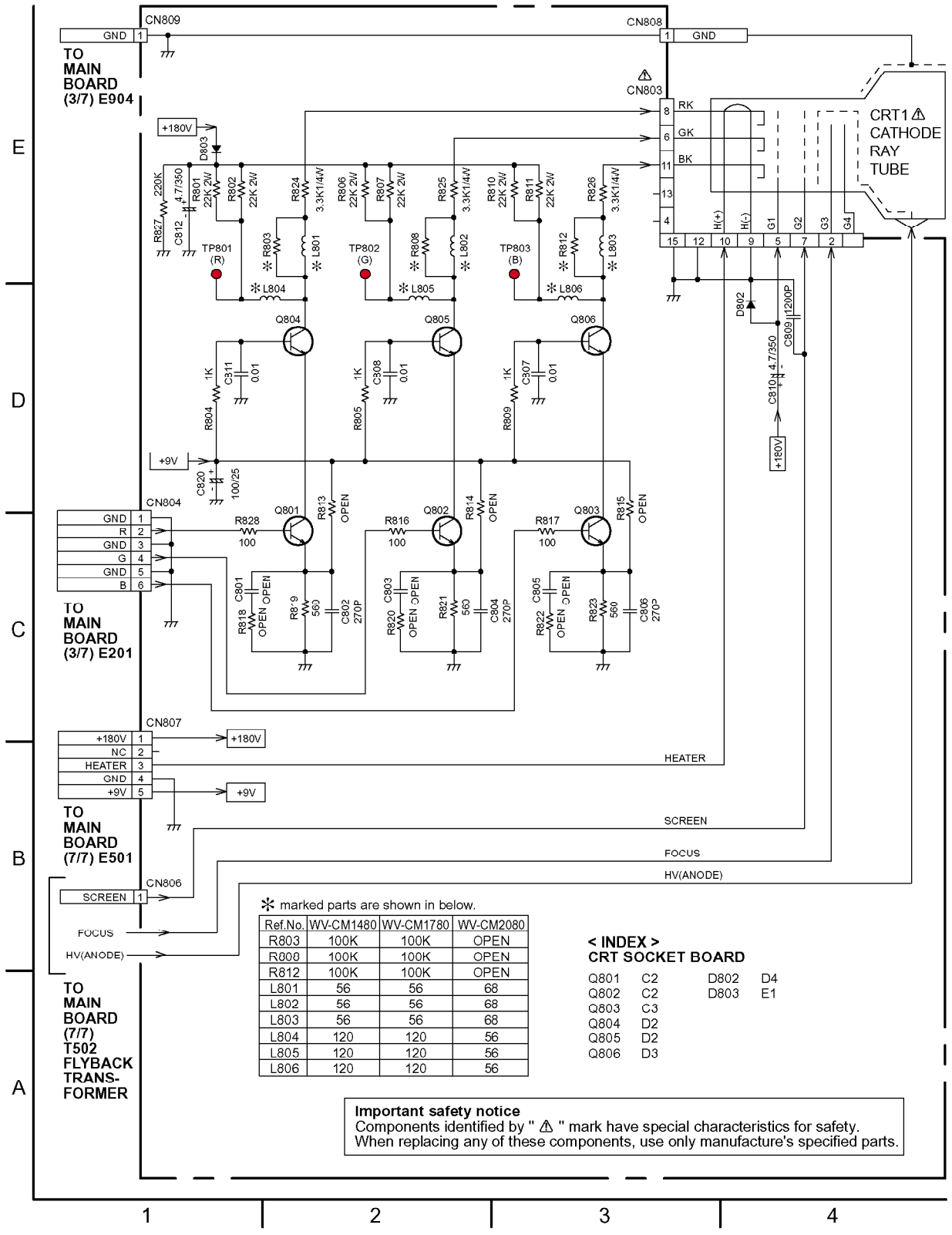
| Ref.No. | WV-CM1480 | WV-CM1780 | WV-CM2080 |
|---|---|---|---|
| R523 | 680 5W | 680 5W | 470 5W |
| R525 | 5.6 5W | 5.6 5W | 10 5W |
| R526 | 4.7K | 4.7K | 3.9K |
| R529 | 5.6K | 5.6K | 8.2K |

| Ref.No. | WV-CM1480 | WV-CM1780 | WV-CM2080 |
|---|---|---|---|
| R535 | 100K | 100K | 75K |
| R536 | 91K | 91K | 75K |
| R559 | 100K | 16K | 33K |
| R565 | 3 3W | 3.3 3W | 3 3W |

| Ref.No. | WV-CM1480 | WV-CM1780 | WV-CM2080 |
|---|---|---|---|
| C515 | 3900P | 3900P | 5600P |
| C516 | 3600P | 3600P | 5600P |
| C517 | 470P | 470P | 270P |
| C518 | 0.33 | 0.27 | 0.56 |

# SCHEMATIC DIAGRAM OF CRT SOCKET BOARD

## CRT SOCKET BOARD




✲ marked parts are shown in below.

| Ref.No. | WV-CM1480 | WV-CM1780 | WV-CM2080 |
|---|---|---|---|
| R803 | 100K | 100K | OPEN |
| R808 | 100K | 100K | OPEN |
| R812 | 100K | 100K | OPEN |
| L801 | 56 | 56 | 68 |
| L802 | 56 | 56 | 68 |
| L803 | 56 | 56 | 68 |
| L804 | 120 | 120 | 56 |
| L805 | 120 | 120 | 56 |
| L806 | 120 | 120 | 56 |

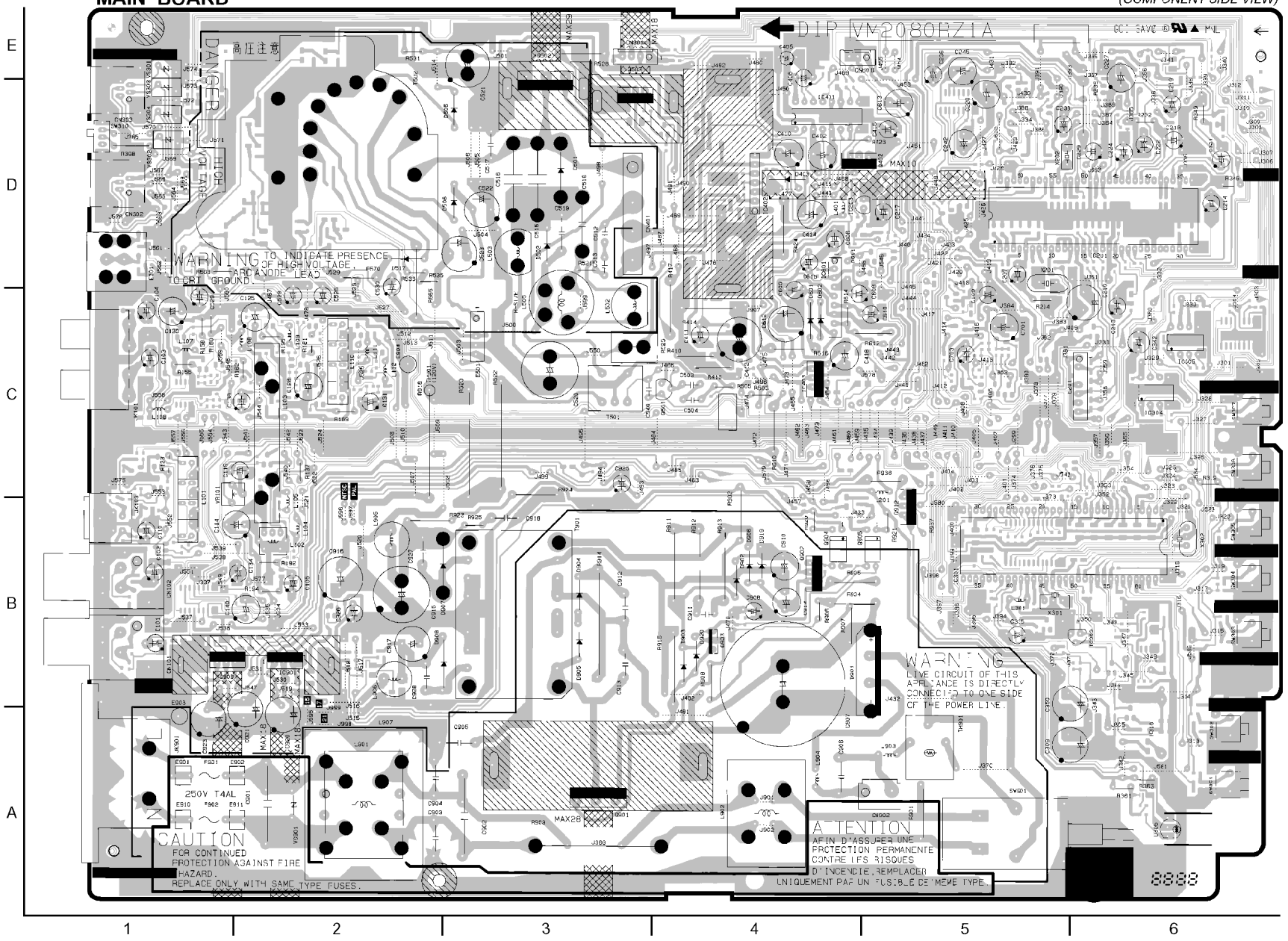
**< INDEX >**
**CRT SOCKET BOARD**

| | | | |
|---|---|---|---|
| Q801 | C2 | D802 | D4 |
| Q802 | C2 | D803 | E1 |
| Q803 | C3 | | |
| Q804 | D2 | | |
| Q805 | D2 | | |
| Q806 | D3 | | |

**Important safety notice**
Components identified by " ⚠ " mark have special characteristics for safety.
When replacing any of these components, use only manufacture's specified parts.

# CONDUCTOR VIEW OF MAIN BOARD (COMPONENT SIDE VIEW)

**MAIN BOARD** *(COMPONENT SIDE VIEW)*

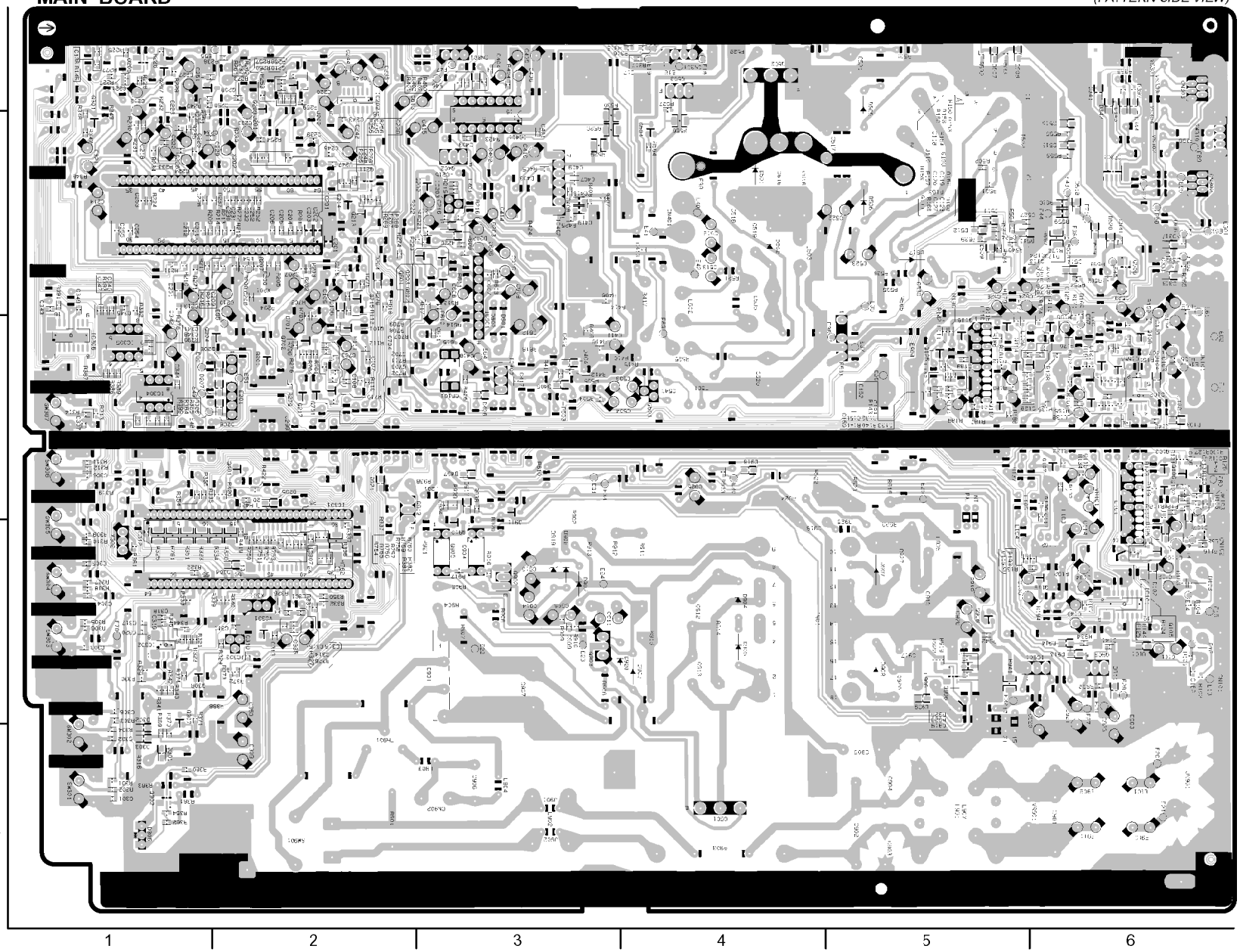



**< INDEX > MAIN BOARD (COMPONENT SIDE VIEW)**

| | |
|---|---|
| IC201 | D6 |
| IC203 | D4 |
| IC301 | B5 |
| IC303 | B6 |
| IC304 | C6 |
| IC305 | C6 |
| IC401 | D4 |
| IC402 | D4 |
| IC403 | C4 |
| IC601 | D4 |
| IC901 | B2 |
| Q402 | D5 |
| Q501 | C4 |
| Q502 | E3 |
| Q503 | E3 |
| Q901 | A3 |
| Q902 | B4 |
| Q903 | B4 |
| Q904 | B4 |
| Q905 | B5 |
| Q909 | B1 |
| Q912 | B5 |
| D305 | A6 |
| D403 | D4 |
| D501 | D3 |
| D502 | D3 |
| D505 | D3 |
| D506 | D3 |
| D517 | D2 |
| D601 | C4 |
| D602 | C4 |
| D901 | B4 |
| D902 | B4 |
| D903 | B4 |
| D904 | B3 |
| D905 | B3 |
| D906 | B4 |
| D907 | B2 |
| D908 | B2 |
| D919 | B4 |
| D920 | B4 |

# CONDUCTOR VIEW OF MAIN BOARD (PATTERN SIDE VIEW)

**MAIN BOARD** *(PATTERN SIDE VIEW)*



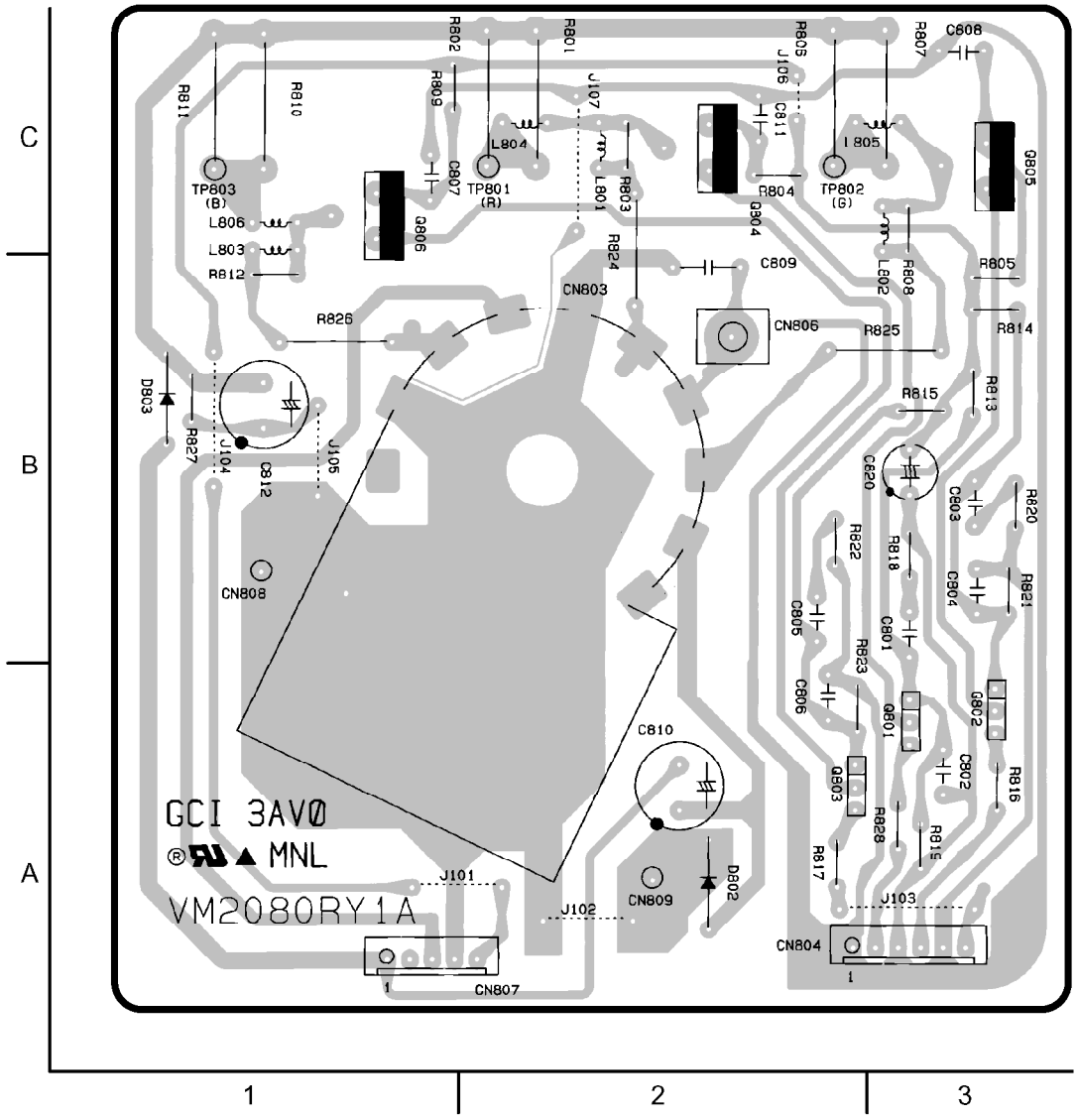

**< INDEX >**
**MAIN BOARD**
**(PATTERN SIDE VIEW)**

| | | | |
|---|---|---|---|
| IC101 | B6 | D101 | B6 |
| IC102 | C6 | D102 | B6 |
| IC202 | E2 | D103 | C6 |
| IC302 | B1 | D104 | C6 |
| IC306 | C1 | D106 | D2 |
| IC307 | B2 | D107 | B6 |
| | | D108 | B6 |
| Q101 | C2 | D201 | D1 |
| Q102 | C6 | D202 | D3 |
| Q103 | C6 | D203 | D3 |
| Q105 | B6 | D204 | D2 |
| Q106 | C6 | D205 | C2 |
| Q107 | C6 | D206 | C1 |
| Q108 | C6 | D207 | C1 |
| Q109 | D5 | D208 | C2 |
| Q110 | D5 | D301 | A1 |
| Q111 | D5 | D302 | B1 |
| Q112 | D6 | D303 | A1 |
| Q113 | D6 | D304 | B2 |
| Q114 | C5 | D316 | D6 |
| Q115 | C5 | D317 | D6 |
| Q117 | C5 | D341 | E6 |
| Q118 | C5 | D342 | E6 |
| Q119 | B6 | D343 | E6 |
| Q125 | C5 | D344 | D6 |
| Q201 | C2 | D402 | E3 |
| Q202 | D3 | D404 | C3 |
| Q203 | D2 | D405 | C3 |
| Q204 | C1 | D406 | C3 |
| Q205 | E1 | D407 | C3 |
| Q207 | E1 | D507 | E5 |
| Q208 | E2 | D508 | E5 |
| Q209 | E2 | D509 | D5 |
| Q210 | E2 | D511 | D5 |
| Q211 | D2 | D512 | D5 |
| Q213 | D2 | D513 | D5 |
| Q214 | D2 | D514 | D6 |
| Q215 | D2 | D515 | D6 |
| Q216 | D2 | D516 | D6 |
| Q217 | C2 | D518 | D6 |
| Q301 | E1 | D519 | D6 |
| Q302 | A1 | D520 | D6 |
| Q307 | B1 | D909 | B5 |
| Q308 | B1 | D911 | B6 |
| Q401 | C2 | D913 | B6 |
| Q504 | D4 | D914 | B6 |
| Q506 | D6 | D917 | C3 |
| Q601 | D2 | D918 | C4 |
| Q602 | D2 | D921 | C2 |
| Q701 | C2 | | |
| Q702 | C2 | | |
| Q703 | C2 | | |
| Q906 | B5 | | |
| Q908 | B5 | | |
| Q910 | B3 | | |
| Q911 | B3 | | |

# CONDUCTOR VIEW OF CRT SOCKET BOARD

## CRT SOCKET BOARD

*(COMPONENT SIDE VIEW)*



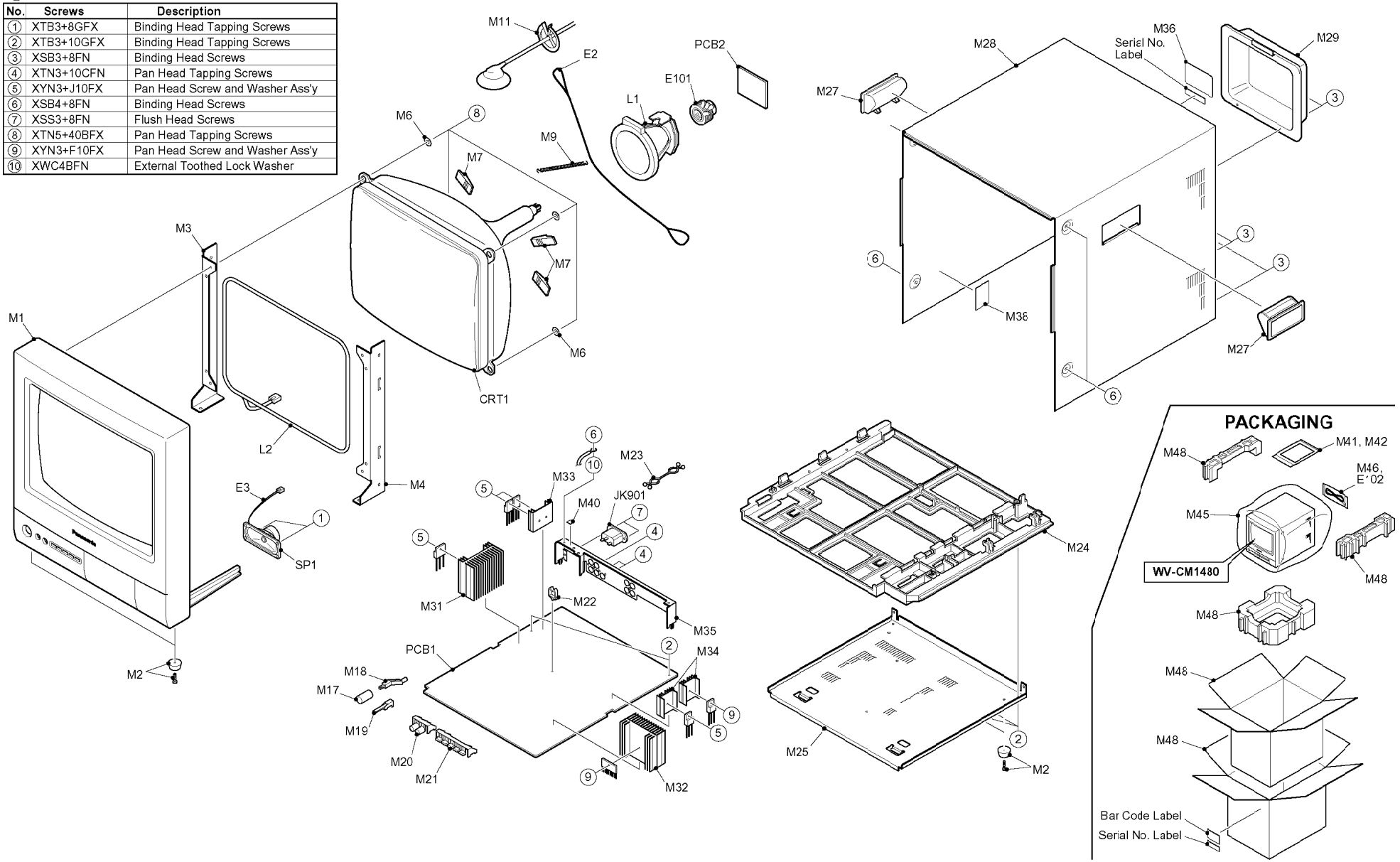

**< INDEX >**
**CRT SOCKET BOARD**

| | | | |
|---|---|---|---|
| Q801 | A3 | D802 | A2 |
| Q802 | A3 | D803 | B1 |
| Q803 | A2 | | |
| Q804 | C2 | | |
| Q805 | C3 | | |
| Q806 | C1 | | |

# EXPLODED VIEW OF WV-CM1480

◯Numbers show screws, washers, and etc.

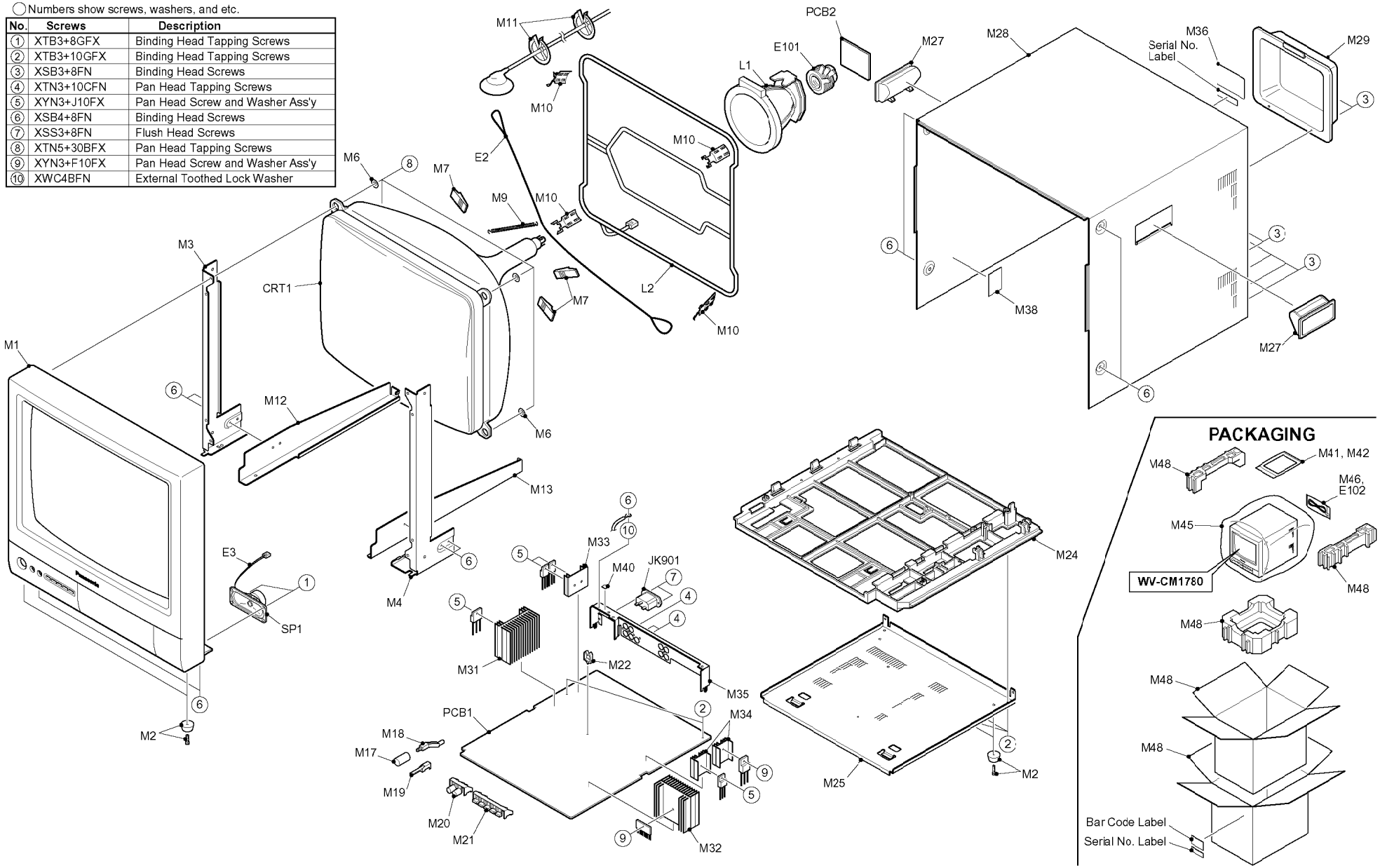
| No. | Screws | Description |
|---|---|---|
| ① | XTB3+8GFX | Binding Head Tapping Screws |
| ② | XTB3+10GFX | Binding Head Tapping Screws |
| ③ | XSB3+8FN | Binding Head Screws |
| ④ | XTN3+10CFN | Pan Head Tapping Screws |
| ⑤ | XYN3+J10FX | Pan Head Screw and Washer Ass'y |
| ⑥ | XSB4+8FN | Binding Head Screws |
| ⑦ | XSS3+8FN | Flush Head Screws |
| ⑧ | XTN5+40BFX | Pan Head Tapping Screws |
| ⑨ | XYN3+F10FX | Pan Head Screw and Washer Ass'y |
| ⑩ | XWC4BFN | External Toothed Lock Washer |



# EXPLODED VIEW OF WV-CM1780

◯Numbers show screws, washers, and etc.

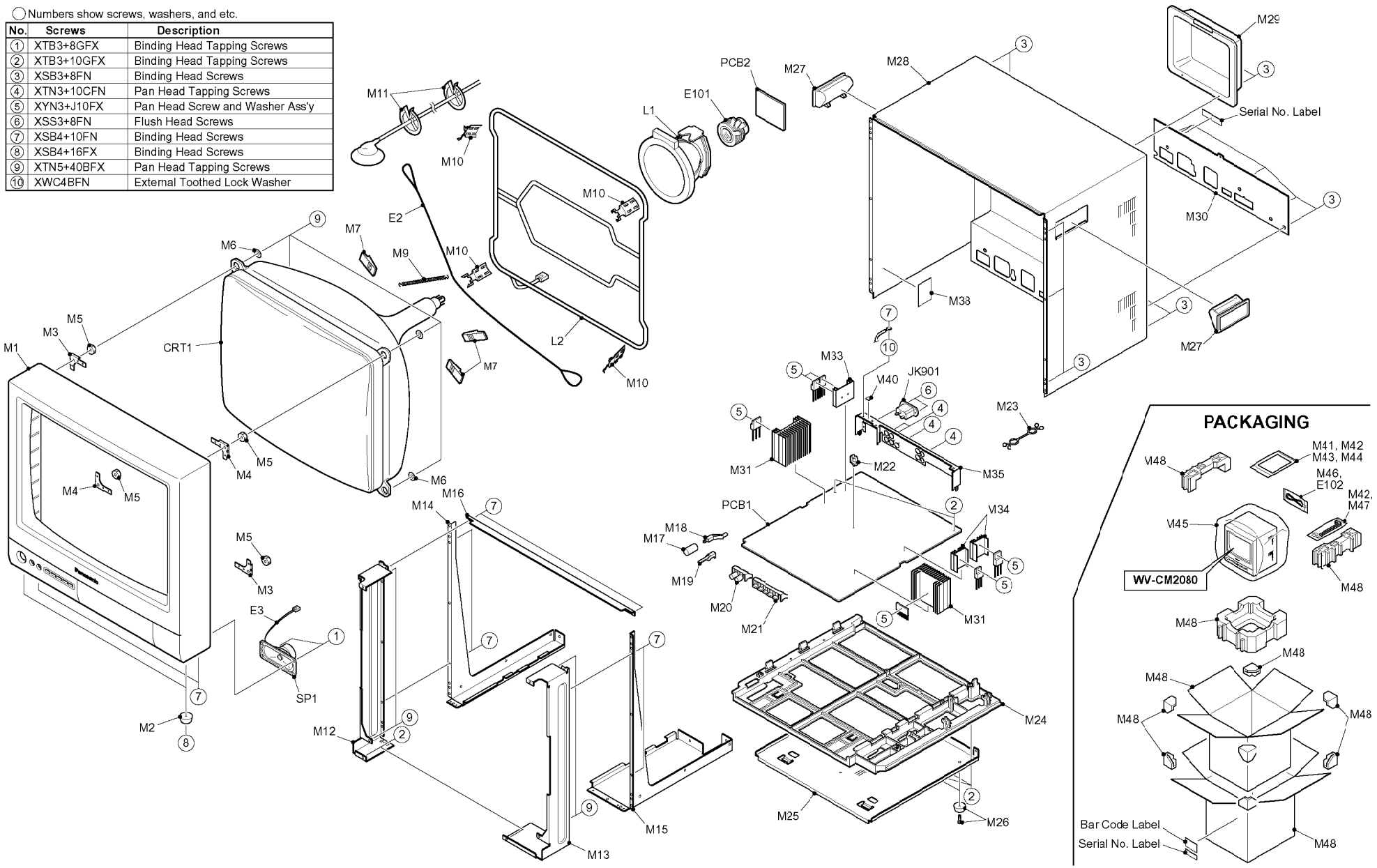
| No. | Screws | Description |
|---|---|---|
| ① | XTB3+8GFX | Binding Head Tapping Screws |
| ② | XTB3+10GFX | Binding Head Tapping Screws |
| ③ | XSB3+8FN | Binding Head Screws |
| ④ | XTN3+10CFN | Pan Head Tapping Screws |
| ⑤ | XYN3+J10FX | Pan Head Screw and Washer Ass'y |
| ⑥ | XSB4+8FN | Binding Head Screws |
| ⑦ | XSS3+8FN | Flush Head Screws |
| ⑧ | XTN5+30BFX | Pan Head Tapping Screws |
| ⑨ | XYN3+F10FX | Pan Head Screw and Washer Ass'y |
| ⑩ | XWC4BFN | External Toothed Lock Washer |



# EXPLODED VIEW OF WV-CM2080

◯Numbers show screws, washers, and etc.

| No. | Screws | Description |
|---|---|---|
| ① | XTB3+8GFX | Binding Head Tapping Screws |
| ② | XTB3+10GFX | Binding Head Tapping Screws |
| ③ | XSB3+8FN | Binding Head Screws |
| ④ | XTN3+10CFN | Pan Head Tapping Screws |
| ⑤ | XYN3+J10FX | Pan Head Screw and Washer Ass'y |
| ⑥ | XSS3+8FN | Flush Head Screws |
| ⑦ | XSB4+10FN | Binding Head Screws |
| ⑧ | XSB4+16FX | Binding Head Screws |
| ⑨ | XTN5+40BFX | Pan Head Tapping Screws |
| ⑩ | XWC4BFN | External Toothed Lock Washer |



# REPLACEMENT PARTS LIST

## Important Notice

1. Components identified by " ⚠ " mark have special characteristics important for safety.
   When replacing any of these components, use only manufacturer's specified parts.
2. RTL : Retention Time Limited (No longer available after discontinuing product).

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| **MISCELLANEOUS for WV-CM1480** | | |
| CRT1 ⚠ | A1A036000002 | Cathode Ray Tube |
| L1 ⚠ | G0F300000001 | Deflection Coil |
| L2 ⚠ | G0ZZ00001971 | Degaussing Coil |
| F901,902 ⚠ | K5D402BK0002 | Current Fuse 4 A 250V for Main Board |
| SP1 | L0AA70C00001 | Speaker |
| E2 | VM1480L04A | Wire Ass'y for CRT Socket Board CN808 and CRT1 |
| E3 | VM1020L05A | Wire Ass'y for Main Board CN601 and SP1 |
| E4 | YWVM1910L09 | Wire Ass'y for Main Board JK901 |
| E101 ⚠ | N9ZZ00000063 | Purity Magnet Ass'y |
| M1 ⚠ | V5BA1059A1 | Front Escutcheon |
| M2 | YWFF001A | Rubber Foot |
| M3 | V2KA1361A2 | CRT Angle (Left) |
| M4 | V2KA1362A2 | CRT Angle (Right) |
| M6 | V1KA1029A4 | Washer |
| M7 ⚠ | YWV2NA1113A3 | Deflection Coil Spacer |
| M9 | YFV4JA0118A4 | Spring |
| M11 | YWSF2001 | Cord Clamp |
| M17 | YWA5RG0141A3 | Power Switch Knob |
| M18 ⚠ | V2LA1022A3 | Joint for Power Switch Knob |
| M19 ⚠ | V2NA1134A3 | LED Spacer |
| M20 ⚠ | V6JA1181A2 | Button |
| M21 ⚠ | V6JA1182A2 | Button |
| M22 | UAMS-05SV0 | Cord Clamp |
| M23 | YW2092051801 | Cord Clamp |
| M24 ⚠ | V2KA1338A1 | Resin Chassis |
| M25 | V5EA2461A1 | Bottom Cover |
| M27 ⚠ | V6AA0511A2 | Handle |
| M28 | V5EA2502A1 | Top Cover |
| M29 ⚠ | V6BA0508A1 | CRT Hood |
| M36 | V7QA5709A4 | Main Label for WV-CM1480/B |
| M38 | V7MA1120A4 | Safety Label |
| M40 | YWA7SA0689A4 | Earth Mark Label |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| **MISCELLANEOUS for WV-CM1780** | | |
| CRT1 ⚠ | M41LUA420X | Cathode Ray Tube |
| L1 ⚠ | KDY3JHB54F | Deflection Coil |
| L2 ⚠ | G0ZZ00001981 | Degaussing Coil |
| F901,902 ⚠ | K5D402BK0002 | Current Fuse 4 A 250V for Main Board |
| SP1 | L0AA70C00001 | Speaker |
| E2 | K4DJD0000020 | Wire Ass'y for CRT Socket Board CN808 and CRT1 |
| E3 | VM1020L05A | Wire Ass'y for Main Board CN601 and SP1 |
| E4 | YWVM1910L09 | Wire Ass'y for Main Board JK901 |
| E101 ⚠ | N9ZZ00000063 | Purity Magnet Ass'y |
| M1 ⚠ | V5BA1060A1 | Front Escutcheon |
| M2 | FF0015 | Rubber Foot |
| M3 | V2SA5003A1 | CRT Angle (Left) |
| M4 | V2SA5004A1 | CRT Angle (Right) |
| M6 | V1KA1029A4 | Washer |
| M7 ⚠ | YWV2NA1113A3 | Deflection Coil Spacer |
| M9 | YFV4JA0118A4 | Spring |
| M10 ⚠ | V2SA4952A2 | Mounting Angle for Degaussing Coil |
| M11 | YWSF2001 | Cord Clamp |
| M12 | V2KA1364A2 | Chassis (Left) |
| M13 | V2KA1365A2 | Chassis (Right) |
| M17 | YWA5RG0141A3 | Power Switch Knob |
| M18 ⚠ | V2LA1022A3 | Joint for Power Switch Knob |
| M19 ⚠ | V2NA1134A3 | LED Spacer |
| M20 ⚠ | V6JA1181A2 | Button |
| M21 ⚠ | V6JA1182A2 | Button |
| M22 | UAMS-05SV0 | Cord Clamp |
| M24 ⚠ | V2KA1338A1 | Resin Chassis |
| M25 | V5EA2461A1 | Bottom Cover |
| M27 ⚠ | V6AA0511A2 | Handle |
| M28 | V5EA2519A1 | Top Cover |
| M29 ⚠ | V6BA0512A1 | CRT Hood |
| M36 | V7QA5735A4 | Main Label for WV-CM1780/B |
| | V7QA5734A4 | Main Label for WV-CM1780/G |
| M38 | V7MA1120A4 | Safety Label |
| M40 | YWA7SA0689A4 | Earth Mark Label |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| **MISCELLANEOUS for WV-CM2080** | | |
| CRT1 ⚠ | A51JXS065X-M | Cathode Ray Tube |
| L1 ⚠ | KDY3NKC65F | Deflection Coil |
| L2 ⚠ | G0ZZ00001964 | Degaussing Coil |
| F901,902 ⚠ | K5D402BK0002 | Current Fuse 4 A 250V for Main Board |
| SP1 | L0AA70C00001 | Speaker |
| E2 | K4EP17000001 | Wire Ass'y for CRT Socket Board CN808 and CRT1 |
| E3 | VM1020L05A | Wire Ass'y for Main Board CN601 and SP1 |
| E4 | YWVM1910L09 | Wire Ass'y for Main Board JK901 |
| E101 ⚠ | N9ZZ00000054 | Purity Magnet Ass'y |
| M1 ⚠ | V5BA1056A1 | Front Escutcheon |
| M2 | YWX85-WB01 | Rubber Foot |
| M3 | V2SA4953A3 | CRT Sub Angle A |
| M4 | V2SA4954A3 | CRT Sub Angle B |
| M5 | V2NA1138A3 | Rubber Spacer |
| M6 | V1KA1029A4 | Washer |
| M7 ⚠ | YWV2NA1113A3 | Deflection Coil Spacer |
| M9 | YFV4JA0118A4 | Spring |
| M10 ⚠ | V2SA4952A2 | Mounting Angle for Deflection Coil |
| M11 | YWSF2001 | Cord Clamp |
| M12 | V2SA4955A1 | Mounting Angle (Left) |
| M13 | V2SA4956A1 | Mounting Angle (Right) |
| M14 | V2KA1356A1 | Chassis (Left) |
| M15 | V2KA1357A1 | Chassis (Left) |
| M16 | V2CA1071A2 | Chassis Support Plate |
| M17 | YWA5RG0141A3 | Power Switch Knob |
| M18 ⚠ | V2LA1022A3 | Joint for Power Switch Knob |
| M19 ⚠ | V2NA1134A3 | LED Spacer |
| M20 ⚠ | V6JA1181A2 | Button |
| M21 ⚠ | V6JA1182A2 | Button |
| M22 | UAMS-05SV0 | Cord Clamp |
| M23 | YW2092051801 | Cord Clamp |
| M24 ⚠ | V2KA1338A1 | Resin Chassis |
| M25 | V5EA2461A1 | Bottom Cover |
| M26 | FF0015 | Rubber Foot |
| M27 ⚠ | V6AA0511A2 | Handle |
| M28 | V5EA2479A1 | Top Cover |
| M29 ⚠ | V6BA0512A1 | CRT Hood |
| M30 ⚠ | V5WD2650A2 | Rear Panel for WV-CM2080/B |
| ⚠ | V5WC2650A2 | Rear Panel for WV-CM2080/G |
| M38 ⚠ | V7MA1119A4 | Safety Label |
| M40 | YWA7SA0689A4 | Earth Mark Label |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| **MAIN BOARD** | | |
| PCB1 (RTL) | VM480EKZ1AYP | Printed Circuit Board Ass'y for WV-CM1480 |
| | VM178EKZ1AYP | Printed Circuit Board Ass'y for WV-CM1780 |
| | VM208EKZ1AYP | Printed Circuit Board Ass'y for WV-CM2080 |
| IC101 | C1AB00001271 | IC |
| IC102 | C0ZBZ0000013 | IC |
| IC201 | AN5192K-B | IC |
| IC202 | C0ZBZ0000014 | IC |
| IC203 | C0EAJ0000019 | IC |
| IC301 | C2BAGF000013 | IC |
| IC302 | C0ZBZ0000015 | IC |
| IC303 | C0EAJ0000019 | IC |
| IC304,305 | C1DA00000163 | IC |
| IC306 | YWMCHC4538AE | IC |
| IC307 | YWM66230FP | IC |
| IC401 | C1AA00000587 | IC |
| IC402 | C1AA00000351 | IC |
| IC403 | YWUPC2412AHF | IC |
| IC601 | YWAN5265 | IC |
| IC901 ⚠ | C0CAAHG00011 | IC |
| Q101-103 | B1ADCF000004 | Transistor |
| Q105,106 | 2SC2412K-T46 | Transistor |
| Q112 | 2SC2412K-T46 | Transistor |
| Q113 | B1ADCF000004 | Transistor |
| Q114,115 | 2SC2412K-T46 | Transistor |
| Q117,118 | 2SC2412K-T46 | Transistor |
| Q119 | B1ADCF000004 | Transistor |
| Q125,201 | 2SC2412K-T46 | Transistor |
| Q202 | B1GBCFNL0001 | Transistor |
| Q203 | DTC144TKAT46 | Transistor |
| Q204 | DTC143ZKAT46 | Transistor |
| Q205 | B1GHCFAA0002 | Transistor |
| Q207 | 2SC2412K-T46 | Transistor |
| Q208 | B1GBCFJN0004 | Transistor |
| Q211 | B1GFCFAA0004 | Transistor |
| Q213 | B1GBCFJN0004 | Transistor |
| Q214 | DTC144TKAT46 | Transistor |
| Q215-217 | 2SC2412K-T46 | Transistor |
| Q301 | 2SC2412K-T46 | Transistor |
| Q302 | B1GFCFAA0004 | Transistor |
| Q307,308 | B1ADCF000004 | Transistor |
| Q401 | 2SC2412K-T46 | Transistor |
| Q402 | 2SD2576 | Transistor |
| Q501 | 2SC3468-DE | Transistor |
| Q502 ⚠ | B1GARRAM0001 | Transistor |
| Q503 | 2SD2576 | Transistor |
| Q504 | 2SC2412K-T46 | Transistor |
| Q506 | B1GFCFAA0004 | Transistor |
| Q601 | DTC144TKAT46 | Transistor |
| Q602 | B1GBCFJN0004 | Transistor |
| Q701,702 | 2SC2412K-T46 | Transistor |
| Q703 | B1ADCF000004 | Transistor |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| Q901 ⚠ | 2SC4429-LM | Transistor for WV-CM1480/WV-CM1780 |
| ⚠ | B1BAGT000003 | Transistor for WV-CM2080 |
| Q902 | 2SD2576 | Transistor |
| Q903 | B1DEBD000001 | FET |
| Q904,905 ⚠ | YWPC123FY2 | Photocoupler |
| Q906 | IMZ1A | Transistor |
| Q908 | B1GBCFJN0004 | Transistor |
| Q909 | 2SD2576 | Transistor |
| Q910 | 2SC2412K-T46 | Transistor |
| Q911 | B1GBCFJN0004 | Transistor |
| Q912 | 2SD2576 | Transistor |
| D101-104 | B0BC8R100001 | Diode |
| D106 | B0ACCK000005 | Diode |
| D107,108 | B0BC8R100001 | Diode |
| D201,202 | B0ACCK000005 | Diode |
| D203 | B0BA5R000018 | Diode |
| D204-208 | B0ACCK000005 | Diode |
| D301 | B0ACCK000005 | Diode |
| D302,303 | B0BC5R600028 | Diode |
| D304 | B0ACCK000005 | Diode |
| D305 | B3AHA0000007 | LED |
| D316,317 | B0BC8R100001 | Diode |
| D341-344 | B0BC8R100001 | Diode |
| D403 | YW1T2TA | Diode |
| D404,405 | B0ACCK000005 | Diode |
| D406 | B0BC8R100001 | Diode |
| D407 | B0ACCK000005 | Diode |
| D501 | YW3TH41 | Diode |
| D502,505 | B0HAMR000002 | Diode |
| D506 | EU02ZV0 | Diode |
| D507 | B0BC8R100001 | Diode |
| D508,509 | B0ACCK000005 | Diode |
| D511 | B0BC3R000006 | Diode |
| D512,513 | B0ACCK000005 | Diode |
| D514 | B0BC01300001 | Diode |
| D515 | B0ACCK000005 | Diode |
| D516 | B0BC8R100001 | Diode |
| D517 | EU02ZV0 | Diode |
| D518 | B0BC01300001 | Diode |
| D519 | B0BC01300001 | Diode for WV-CM1480/WV-CM2080 |
| | B0BC8R100001 | Diode for WV-CM1780 |
| D520 | B0ACCK000005 | Diode |
| D601,602 | YW1T2TA | Diode |
| D901 ⚠ | B0EBNP000001 | Diode |
| D902 | B0HAMR000002 | Diode |
| D903 | EU02ZV0 | Diode |
| D904,905 | YWES01FV0 | Diode |
| D906 | EU02ZV0 | Diode |
| D907 | YWERB3710 | Diode for WV-CM1480/WV-CM1780 |
| | ERD28-08 | Diode for WV-CM2080 |
| D908 | YWERC3001 | Diode |
| D909 | B0BC6R100010 | Diode |
| D911 | B0BC5R600028 | Diode |
| D913 | B0BC3R000006 | Diode |
| D914,917 | B0ACCK000005 | Diode |
| D918 | B0BC6R700006 | Diode |

| REF. NO. | PART NO. | DESCRIPTION | |
|---|---|---|---|
| D919 | YWRD7.5FB2 | Diode | |
| D920 | EU02ZV0 | Diode | |
| D921 | B0BC5R600028 | Diode | |
| VS301-304 | ERZV07D680 | Varistor | |
| VS901 ⚠ | ERZV10D471 | Varistor | |
| TH901 ⚠ | D4DDB1200001 | Thermistor | |
| R101 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R102 | ERJ3GEYJ750V | Metal | 75 ohms 1/16W |
| R103 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R104 | ERJ3GEYJ750V | Metal | 75 ohms 1/16W |
| R105,106 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R107 | ERJ3GEYJ101V | Metal | 100 ohms 1/16W |
| R110 | ERJ3GEY0R00 | Metal | 0 ohm 1/16W |
| R111 | ERJ3GEYJ153V | Metal | 15K ohms 1/16W |
| R112 | ERJ3GEYJ154V | Metal | 150K ohms 1/16W |
| R113 | ERJ3GEYJ332V | Metal | 3.3K ohms 1/16W |
| R114,115 | ERJ3GEYJ750V | Metal | 75 ohms 1/16W |
| R116 | ERJ3GEYJ101V | Metal | 100 ohms 1/16W |
| R117 | ERJ3GEYJ473V | Metal | 47K ohms 1/16W |
| R118 | ERJ3GEYJ223V | Metal | 22K ohms 1/16W |
| R119 | ERJ3GEYJ222V | Metal | 2.2K ohms 1/16W |
| R123 | ERDS2TJ102T | Carbon | 1K ohms 1/4W |
| R124 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R125 | ERJ3GEYJ222V | Metal | 2.2K ohms 1/16W |
| R126 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R127,128 | ERJ3GEYJ223V | Metal | 22K ohms 1/16W |
| R129 | ERJ3GEYJ222V | Metal | 2.2K ohms 1/16W |
| R130 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R131 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R140 | ERJ3GEYJ181V | Metal | 180 ohms 1/16W |
| R141 | ERJ3GFY0R00 | Metal | 0 ohm 1/16W |
| R142 | ERJ3GEYJ562V | Metal | 5.6K ohms 1/16W |
| R143 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R144 | ERJ3GEY0R00 | Metal | 0 ohm 1/16W |
| R145 | ERJ3GEYJ221V | Metal | 220 ohms 1/16W |
| R165 | ERJ3GEY0R00 | Metal | 0 ohm 1/16W |
| R166 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R169 | ERJ3GEYJ472V | Metal | 4.7K ohms 1/16W |
| R170 | ERJ3GEYJ332V | Metal | 3.3K ohms 1/16W |
| R171 | ERJ3GEY0R00 | Metal | 0 ohm 1/16W |
| R172 | ERJ3GEYJ681V | Metal | 680 ohms 1/16W |
| R173 | ERJ3GEY0R00 | Metal | 0 ohm 1/16W |
| R174 | ERJ3GEYJ222V | Metal | 2.2K ohms 1/16W |
| R175 | ERJ3RIID132V | Metal | 1.3K ohms 1/16W |
| R176 | ERJ3GEYJ331V | Metal | 330 ohms 1/16W |
| R177 | ERJ3RHD152V | Metal | 1.5K ohms 1/16W |
| R178 | ERJ3GEYJ122V | Metal | 1.2K ohms 1/16W |
| R179 | ERJ3GEYJ622V | Metal | 6.2K ohms 1/16W |
| R180 | ERJ3GEYJ472V | Metal | 4.7K ohms 1/16W |
| R181 | ERDS2TJ101T | Carbon | 100 ohms 1/4W |
| R182,186 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R187,188 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R189 | ERDS2TJ221T | Carbon | 220 ohms 1/4W |
| R190 | ERJ3GEYJ562V | Metal | 5.6K ohms 1/16W |
| R191 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |

| REF. NO. | PART NO. | DESCRIPTION | |
|---|---|---|---|
| R192 | ERDS2TJ223T | Carbon | 22K ohms 1/4W |
| R193 | ERJ3GEYJ223V | Metal | 22K ohms 1/16W |
| R194 | ERDS2TJ102T | Carbon | 1K ohms 1/4W |
| R195 | ERDS2TJ221T | Carbon | 220 ohms 1/4W |
| R201 | ERJ3GEYJ334V | Metal | 330K ohms 1/16W |
| R202 | ERJ3GEY0R00 | Metal | 0 ohm 1/16W |
| R203 | ERJ3GEYJ333V | Metal | 33K ohms 1/16W |
| R204 | ERDS2TJ752 | Carbon | 7.5K ohms 1/4W |
| R205 | ERJ3GEY0R00 | Metal | 0 ohm 1/16W |
| R207 | ERJ3GEYJ681V | Metal | 680 ohms 1/16W |
| R208 | ERJ3GEYJ331V | Metal | 330 ohms 1/16W |
| R209 | ERJ3GEYJ105V | Metal | 1M ohms 1/16W |
| R210,211 | ERJ3GEYJ101V | Metal | 100 ohms 1/16W |
| R212-214 | ERJ3GEYJ152V | Metal | 1.5K ohms 1/16W |
| R215-217 | ERJ3GEYJ471V | Metal | 470 ohms 1/16W |
| R218 | ERJ3RHD153V | Metal | 15K ohms 1/16W |
| R219 | ERJ3RHD103V | Metal | 10K ohms 1/16W |
| R220 | ERJ3GEYJ473V | Metal | 47K ohms 1/16W |
| R221 | ERJ3GEYJ471V | Metal | 470 ohms 1/16W |
| R222 | ERJ3GEYJ154V | Metal | 150K ohms 1/16W |
| R223 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R224 | ERJ3GEYJ684V | Metal | 680K ohms 1/16W |
| R225 | ERJ3GEYJ101V | Metal | 100 ohms 1/16W |
| R226 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R227 | ERJ3GEYJ331V | Metal | 330 ohms 1/16W |
| R228 | ERJ3GEYJ181V | Metal | 180 ohms 1/16W |
| R229,230 | ERJ3GEYJ222V | Metal | 2.2K ohms 1/16W |
| R231 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R233 | ERJ3GEYJ684V | Metal | 680K ohms 1/16W |
| R234 | ERJ3GEYJ221V | Metal | 220 ohms 1/16W |
| R235 | ERJ3GEYJ511V | Metal | 510 ohms 1/16W |
| R236 | ERJ3GEYJ221V | Metal | 220 ohms 1/16W |
| R237,238 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R239 | ERG2SJ331 | Metal | 330 ohms 2W |
| R240 | ERJ3GEYJ332V | Metal | 3.3K ohms 1/16W |
| R251 | ERJ3GEYJ222V | Metal | 2.2K ohms 1/16W |
| R252 | ERJ3GEYJ123V | Metal | 12K ohms 1/16W |
| R265 | ERJ3GEYJ332V | Metal | 3.3K ohms 1/16W |
| R266 | ERJ3GEYJ224V | Metal | 220K ohms 1/16W |
| R267,268 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R269 | ERJ3GEYJ472V | Metal | 4.7K ohms 1/16W |
| R270 | ERJ3GEYJ473V | Metal | 47K ohms 1/16W |
| R272 | ERJ3GEYJ104V | Metal | 100K ohms 1/16W |
| R273 | ERJ3GEYJ473V | Metal | 47K ohms 1/16W |
| R274-276 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R277 | ERJ3GEYJ391V | Metal | 390 ohms 1/16W |
| R278 | ERJ3GEYJ101V | Metal | 100 ohms 1/16W |
| R279 | ERJ3GEYJ152V | Metal | 1.5K ohms 1/16W |
| R301 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R302 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R303 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R304 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R305 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R306 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R307 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |

| REF. NO. | PART NO. | DESCRIPTION | |
|---|---|---|---|
| R308 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R309 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R310 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R311 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R312 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R313 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R314 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R315-317 | ERJ3GEYJ101V | Metal | 100 ohms 1/16W |
| R318 | ERG2SJ820P | Metal | 82 ohms 2W |
| R319 | ERDS2TJ473T | Carbon | 47K ohms 1/4W |
| R320 | ERJ14YJ103H | Metal | 10K ohms 1/4W |
| R321-324 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R325 | ERJ14YJ472H | Metal | 4.7K ohms 1/4W |
| R326-328 | ERJ3GEYJ333V | Metal | 33K ohms 1/16W |
| R329,332 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R333,334 | ERJ14YJ472H | Metal | 4.7K ohms 1/4W |
| R335 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R336 | ERJ14YJ472H | Metal | 4.7K ohms 1/4W |
| R337 | ERJ3GEYJ472V | Metal | 4.7K ohms 1/16W |
| R338-340 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R341-343 | ERJ3GEYJ333V | Metal | 33K ohms 1/16W |
| R344,345 | ERJ3GEYJ560V | Metal | 56 ohms 1/16W |
| R346 | ERDS2TJ103T | Carbon | 10K ohms 1/4W |
| R347 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R348 | ERJ3GEYJ222V | Metal | 2.2K ohms 1/16W |
| R349 | ERDS2TJ102T | Carbon | 1K ohms 1/4W |
| R350 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R351 | ERJ14YJ103H | Metal | 10K ohms 1/4W |
| R354,355 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R360 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R361 | ERDS2TJ681T | Carbon | 680 ohms 1/4W |
| R362 | ERJ3GEYJ221V | Metal | 220 ohms 1/16W |
| R363 | ERDS2TJ821T | Carbon | 820 ohms 1/4W |
| R364 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R365,366 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R369,370 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R371 | ERJ3GEYJ472V | Metal | 4.7K ohms 1/16W |
| R372,373 | ERJ3GEYJ103V | Metal | 10K ohms 1/16W |
| R374 | ERJ3GEYJ472V | Metal | 4.7K ohms 1/16W |
| R381 | ERJ3GEYJ105V | Metal | 1M ohms 1/16W |
| R382,383 | ERJ3GEYJ333V | Metal | 33K ohms 1/16W |
| R384-390 | ERJ3GEYJ153V | Metal | 15K ohms 1/16W |
| R391 | ERJ3GEYJ184V | Metal | 180K ohms 1/16W |
| R392,393 | ERJ3GEYJ153V | Metal | 15K ohms 1/16W |
| R396,397 | ERJ3GEYJ222V | Metal | 2.2K ohms 1/16W |
| R398 | ERDS1TJ151T | Carbon | 150 ohms 1W |
| R399 | ERJ3GEYJ153V | Metal | 15K ohms 1/16W |
| R401,402 | ERJ3GEYJ471V | Metal | 470 ohms 1/16W |
| R403 | ERJ3GEYJ101V | Metal | 100 ohms 1/16W |
| R404 | ERJ3GEYJ223V | Metal | 22K ohms 1/16W |
| R405,406 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R407 | ERJ3GEYJ274V | Metal | 270K ohms 1/16W |
| R408 | ERJ3GEYJ153V | Metal | 15K ohms 1/16W |
| R409 | ERJ3GEYJ563V | Metal | 56K ohms 1/16W for WV-CM1480/WV-CM1780 |
| | ERJ3GEYJ683V | Metal | 68K ohms 1/16W for WV-CM2080 |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| R410 | ER025CKF3R00 | Metal 3 ohms 1/4W |
| R411 | ERJ3GEYJ102V | Metal 1K ohms 1/16W |
| R412 | ERJ3GEYJ103V | Metal 10K ohms 1/16W |
| R415 | ER025CKF3R00 | Metal 3 ohms 1/4W |
| R416 | ERJ3GEYJ511V | Metal 510 ohms 1/16W |
| R417 | ERG2SJ561P | Metal 560 ohms 2W for WV-CM2080 |
| R419,420 | ERJ3GEYJ103V | Metal 10K ohms 1/16W |
| R421,422 | ERJ3GEYJ102V | Metal 1K ohms 1/16W |
| R423 | ERDS1TJ330 | Carbon 33 ohms 1W |
| R424 | ERG2SJ221 | Metal 220 ohms 2W for WV-CM1480/WV-CM1780 |
| | ERG2SJ331 | Metal 330 ohms 2W for WV-CM2080 |
| R425 | ERJ3GEYJ330V | Metal 33 ohms 1/16W |
| R426 | ERJ3GEYJ152V | Metal 1.5K ohms 1/16W |
| R501 | ERJ3GEYJ622V | Metal 6.2K ohms 1/16W |
| R502 | ERJ3GEYJ273V | Metal 27K ohms 1/16W |
| R503 | ERDS2TJ821T | Carbon 820 ohms 1/4W |
| R504 | ERJ3GEYJ681V | Metal 680 ohms 1/16W |
| R505,521 | ERDS2TJ272T | Carbon 2.7K ohms 1/4W |
| R522,523 | ERG5SJ681P | Metal 680 ohms 5W for WV-CM1480/WV-CM1780 |
| | ERG5SJ471P | Metal 470 ohms 5W for WV-CM2080 |
| R525 | D0D55R6J0001 | Wire Wound 5.6 ohms 5W for WV-CM1480/WV-CM1780 |
| | D0D5100J0001 | Wire Wound 10 ohms 5W for WV-CM2080 |
| R526 | ERJ14YJ472H | Metal 4.7K ohms 1/4W for WV-CM1480/WV-CM1780 |
| | ERJ14YJ392H | Metal 3.9K ohms 1/4W for WV-CM2080 |
| R527 | ERJ3GEYJ102V | Metal 1K ohms 1/16W |
| R528 | ERG1SJ102P | Metal 1K ohms 1W |
| R529 | ERJ14YJ562H | Metal 5.6K ohms 1/4W for WV-CM1480/WV-CM1780 |
| | ERJ14YJ822 | Metal 8.2K ohms 1/4W for WV-CM2080 |
| R530 | ERJ14YJ122H | Metal 1.2K ohms 1/4W |
| R531 | ERDS2TJ472T | Carbon 4.7K ohms 1/4W |
| R532 | ERJ3GEYJ103V | Metal 10K ohms 1/16W |
| R533 | ERJ3GEYJ152V | Metal 1.5K ohms 1/16W |
| R534 | ERJ3GEYJ471V | Metal 470 ohms 1/16W |
| R535 | ERDS2TJ104T | Carbon 100K ohms 1/4W for WV-CM1480/WV-CM1780 |
| | ERDS2TJ753 | Carbon 75K ohms 1/4W for WV-CM2000 |
| R536 | ERDS2TJ913 | Carbon 91K ohms 1/4W for WV-CM1480/WV-CM1780 |
| | ERDS2TJ753 | Carbon 75K ohms 1/4W for WV-CM2080 |
| R537 | ERJ3GEYJ473V | Metal 47K ohms 1/16W |
| R539 | ERJ3GEYJ152V | Metal 1.5K ohms 1/16W |
| R540,551 | ERJ3GEYJ103V | Metal 10K ohms 1/16W |
| R554 | ERJ3GEYJ331V | Metal 330 ohms 1/16W |
| R555 | ERJ3GEYJ152V | Metal 1.5K ohms 1/16W |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| R556 | ERJ3GEYJ273V | Metal 27K ohms 1/16W |
| R557 | ERJ14YJ103H | Metal 10K ohms 1/4W |
| R558 | ERJ3RHD332V | Metal 3.3K ohms 1/16W |
| R559 | ERJ6ENF1003V | Metal 100K ohms 1/10W for WV-CM1480 |
| | ERJ6ENF1602V | Metal 16K ohms 1/10W for WV-CM1780 |
| | ERJ6ENF3302V | Metal 33K ohms for WV-CM2080 |
| R562 | ERJ3GEYJ333V | Metal 33K ohms 1/16W |
| R563 | ERDS2TJ272T | Carbon 2.7K ohms 1/4W |
| R564 | ERJ3GEYJ103V | Metal 10K ohms 1/16W |
| R565 | ERX3SJ3R0 | Metal 3 ohms 3W for WV-CM1480/WV-CM2080 |
| | ERX3SJ3R3 | Metal 3.3 ohms 3W for WV-CM1780 |
| R566 | ERJ14Y0R00H | Metal 0 ohm 1/4W |
| R570 ⚠ | ERQ14AJ2R2P | Fuse Resistor 2.2 ohms 1/4W |
| R603 | ERJ3GEYJ103V | Metal 10K ohms 1/16W |
| R609 | ERJ3GEYJ222V | Metal 2.2K ohms 1/16W |
| R610 | ERG1SJ101 | Metal 100 ohms 1W |
| R611 | ERDS2TJ103T | Carbon 10K ohms 1/4W |
| R613 | ERJ3GEYJ331V | Metal 330 ohms 1/16W |
| R614 | ERDS2TJ123T | Carbon 12K ohms 1/4W |
| R615 | ERD50FJ4R7 | Carbon 4.7 ohms 1/2W |
| R616 ⚠ | ERQ12AJ120 | Fuse Resistor 12 ohms 1/2W |
| R617,618 | ERJ3GEYJ104V | Metal 100K ohms 1/16W |
| R701 | ERJ3GEYJ101V | Metal 100 ohms 1/16W |
| R702 | ERJ3GEYJ152V | Metal 1.5K ohms 1/16W |
| R703 | ERJ3GEYJ123V | Metal 12K ohms 1/16W |
| R704 | ERJ3RHD222V | Metal 2.2K ohms 1/16W |
| R705 | ERJ3GEYJ562V | Metal 5.6K ohms 1/16W |
| R706 | ERJ3GEYJ122V | Metal 1.2K ohms 1/16W |
| R707 | ERJ3RHD102V | Metal 1K ohms 1/16W |
| R708 | ERJ3GEYJ332V | Metal 3.3K ohms 1/16W |
| R709 | ERJ3GEYJ683V | Metal 68K ohms 1/16W |
| R710 | ERJ3GEYJ123V | Metal 12K ohms 1/16W |
| R901 ⚠ | ERC12ZGM225 | Solid 2.2M ohms 1/2W |
| R902 ⚠ | ERC12ZGM156 | Solid 15M ohms 1/2W |
| R903 | D0DK3R9J0001 | Wire Wound 3.9 ohms 10W |
| R904,905 | ERG1SJ683 | Metal 68K ohms 1W |
| R906 | ERDS2TJ474 | Carbon 470K ohms 1/4W |
| R907,908 | ERD25FJ224 | Carbon 220K ohms 1/4W |
| R909 | ERJ3GEYJ223V | Metal 22K ohms 1/16W |
| R910 | ERJ3GEYJ221V | Metal 220 ohms 1/16W |
| R911-913 | ERG3SJ180 | Metal 18 ohms 3W |
| R914 | ERG5SJ333 | Metal 33K ohms 5W |
| R915 | ERX3SJR33P | Metal 0.33 ohms 3W |
| R916 | ERJ3GEYJ222V | Metal 2.2K ohms 1/16W |
| R917 | ERJ3GEYJ102V | Metal 1K ohms 1/16W |
| R918 | ERG5SJ183 | Metal 18K ohms 5W |
| R919 | ERJ3GEYJ152V | Metal 1.5K ohms 1/16W |
| R920 | ERDS2TJ561T | Carbon 560 ohms 1/4W |
| R921 | ERDS2TJ102T | Carbon 1K ohms 1/4W |
| R922 | ERJ3GEYJ152V | Metal 1.5K ohms 1/16W |
| R923,924 | ER050CKF1302 | Metal 13K ohms 1/2W |

| REF. NO. | PART NO. | DESCRIPTION | |
|---|---|---|---|
| R925 | ERDS2TJ103T | Carbon | 10K ohms 1/4W |
| R926 | ERJ3GEYJ153V | Metal | 15K ohms 1/16W |
| R928 | ERJ6ENF1601V | Metal | 1.6K ohms |
| R932 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| R933 | ERJ3GEYJ472V | Metal | 4.7K ohms 1/16W |
| R934 | ERJ3GEYJ152V | Metal | 1.5K ohms 1/16W |
| R936 | ERJ3GEYJ473V | Metal | 47K ohms 1/16W |
| R937 | ERDS2TJ102T | Carbon | 1K ohms 1/4W |
| R938 ⚠ | ERQ14AJ3R9P | Fuse Resistor | 3.9 ohms 1/4W |
| R939 | ERJ3GEYJ104V | Metal | 100K ohms 1/16W |
| R941 | ERJ14YJ122H | Metal | 1.2K ohms 1/4W |
| R942 | ERJ3GEYJ102V | Metal | 1K ohms 1/16W |
| C101-104 | EEUEB1H1R0SB | Electrolytic | 1 µF 50V |
| C105 | EEUEB1E470SB | Electrolytic | 47 µF 25V |
| C107 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C109 | EEUEB1H1R0SB | Electrolytic | 1 µF 50V |
| C110 | EEUEB1H100SB | Electrolytic | 10 µF 50V |
| C112,113 | F1H1H103A190 | Ceramic | 0.01 µF |
| C122 | MCUV1H470JCV | Ceramic | 47 pF |
| C123 | F1H1H181A230 | Ceramic | 180 pF |
| C125 | EEUFC1E181B | Electrolytic | 180 µF 25V |
| C127 | F1H1H220A004 | Ceramic | 22 pF |
| C128 | EEUEB1V330SB | Electrolytic | 33 µF 35V |
| C130 | EEUFC1E181B | Electrolytic | 180 µF 25V |
| C131 | EEUEB1H100SB | Electrolytic | 10 µF 50V |
| C132 | F1H1H220A004 | Ceramic | 22 pF |
| C133 | MCUV1H470JCV | Ceramic | 47 pF |
| C134 | EEUEB1H100SB | Electrolytic | 10 µF 50V |
| C135,136 | F1H1H103A190 | Ceramic | 0.01 µF |
| C138 | EEUEB1A101SB | Electrolytic | 100 µF 10V |
| C139 | F1H1H103A190 | Ceramic | 0.01 µF |
| C140 | EEUFC1E181B | Electrolytic | 180 µF 25V |
| C141,142 | F1H1H103A190 | Ceramic | 0.01 µF |
| C150 | F1H1H240A004 | Ceramic | 24 pF |
| C152,155 | F1H1H103A190 | Ceramic | 0.01 µF |
| C201-203 | YF400683XKT | Ceramic | 0.068 µF |
| C204,205 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C206 | F1H1E223A011 | Ceramic | 0.022 µF |
| C207 | EEUEB1H2R2SB | Electrolytic | 2.2 µF 50V |
| C208 | F1H1H9R0002 | Ceramic | 9 pF |
| C209 | F1H1H103A190 | Ceramic | 0.01 µF |
| C210 | EEUFC1C471 | Electrolytic | 470 µF 16V |
| C211,212 | F1H1E223A011 | Ceramic | 0.022 µF |
| C214 | EEUEB1H100SB | Electrolytic | 10 µF 50V |
| C215,216 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C217 | EEUEB1E470SB | Electrolytic | 47 µF 25V |
| C218 | EEUEB1H4R7SB | Electrolytic | 4.7 µF 50V |
| C219 | EEUEB1H100SB | Electrolytic | 10 µF 50V |
| C220 | EEUFC1E181B | Electrolytic | 180 µF 25V |
| C221 | F1H1H1210001 | Ceramic | 120 pF |
| C222 | EEUEB1H2R2SB | Electrolytic | 2.2 µF 50V |
| C223 | F1H1H681A004 | Ceramic | 680 pF |
| C224 | EEUEB1H1R0SB | Electrolytic | 1 µF 50V |
| C225 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C226 | MCUV1H102KBV | Ceramic | 1000 pF |

| REF. NO. | PART NO. | DESCRIPTION | |
|---|---|---|---|
| C227 | EEUFC1E181B | Electrolytic | 180 µF 25V |
| C228 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C229 | EEUEB1E470SB | Electrolytic | 47 µF 25V |
| C230 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C231,232 | F1H1E223A011 | Ceramic | 0.022 µF |
| C233 | EEUEB1H100SB | Electrolytic | 10 µF 50V |
| C234 | F1H1H221A274 | Ceramic | 220 pF |
| C238,239 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C242 | EEUFC1E181B | Electrolytic | 180 µF 25V |
| C243,244 | F1H1H103A190 | Ceramic | 0.01 µF |
| C245 | EEUFC1E181B | Electrolytic | 180 µF 25V |
| C246,247 | F1H1H103A190 | Ceramic | 0.01 µF |
| C248 | F1H1H103A190 | Ceramic | 0.01 µF |
| C250 | MCUV1H102KBV | Ceramic | 1000 pF |
| C251 | MCUV1H102KBV | Ceramic | 1000 pF |
| C252 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C253 | F1H1H103A190 | Ceramic | 0.01 µF |
| C254,255 | F1H1H103A190 | Ceramic | 0.01 µF |
| C301 | MCUV1H102KBV | Ceramic | 1000 pF |
| C302-307 | MCUV1H102KBV | Ceramic | 1000 pF |
| C308 | F1H0J1050010 | Ceramic | 1 µF |
| C309 | EEUFC1A102 | Electrolytic | 1000 µF 10V |
| C310,311 | F1H1H103A190 | Ceramic | 0.01 µF |
| C312 | F1H0J1050010 | Ceramic | 1 µF |
| C313 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C314 | F1H1H330A231 | Ceramic | 33 pF |
| C315 | F1H1H120A231 | Ceramic | 12 pF |
| C317 | MCUV1H102KBV | Ceramic | 1000 pF |
| C318,319 | F1H1H101A231 | Ceramic | 100 pF |
| C320 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C321 | EEUFR1H100SB | Electrolytic | 10 µF 50V |
| C331,332 | F1H1H103A190 | Ceramic | 0.01 µF |
| C335 | EEUEB1E470SB | Electrolytic | 47 µF 25V |
| C341 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C342 | EEUEB1A221SB | Electrolytic | 220 µF 10V |
| C343 | MCUV1C104KBV | Ceramic | 0.1 µF |
| C344 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C345-347 | F1H1H101A231 | Ceramic | 100 pF |
| C348 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C349 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C350 | EEUFC1A102 | Electrolytic | 1000 µF 10V |
| C401 | MVUV1C104KBV | Ceramic | 0.1 µF |
| C402 | EEUFC1E181B | Electrolytic | 180 µF 25V |
| C403 | MCUV1H102KBV | Ceramic | 1000 pF |
| C404 | F1H1E223A011 | Ceramic | 0.022 µF |
| C405 | ECSF1VE225BB | Tantalum | 2.2 µF 35V |
| C406 | EEUEB1HR47SB | Electrolytic | 0.47 µF 50V |
| C407 | F1H1H103A190 | Ceramic | 0.01 µF |
| C408 | F1H1H181A230 | Ceramic | 180 pF |
| C409 | F1H1H103A190 | Ceramic | 0.01 µF |
| C410 | EEUEB1H101SB | Electrolytic | 100 µF 50V |
| C411 | EEUEB1H2R2SB | Electrolytic | 2.2 µF 50V |
| C412 | EEUFC1E222E | Electrolytic | 2200 µF 25V |
| C413 | F1H1H332A190 | Ceramic | 3300 pF |
| C414 | EEUEB1H101SB | Electrolytic | 100 µF 50V |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| C415 | EEUEB1H100SB | Electrolytic 10 µF 50V |
| C416 | YF400683XKT | Ceramic 0.068 µF |
| C417 | MVUV1C104KBV | Ceramic 0.1 µF |
| C418 | EEUFC1E181B | Electrolytic 180 µF 25V |
| C419 | YF400683XKT | Ceramic 0.068 µF |
| C503,504 | YWBC7182KH | Ceramic 1800 pF |
| C512,513 | YWBC7182KH | Ceramic 1800 pF |
| C515 ⚠ | ECWH16392HV | Plastic 3900 pF for WV-CM1480/WV-CM1780 |
| ⚠ | ECWH16562HV | Plastic 5600 pF for WV-CM2080 |
| C516 ⚠ | ECWH16362HV | Plastic 3600 pF for WV-CM1480/WV-CM1780 |
| ⚠ | ECWH16562HV | Plastic 5600 pF for WV-CM2080 |
| C517 | ECKD3D471KBP | Ceramic 470 pF for WV-CM1480/WV-CM1780 |
| | F1B3D2710001 | Ceramic 270 pF for WV-CM2080 |
| C518 | ECQE2334JF | Plastic 0.33 µF 250V for WV-CM1480 |
| | ECQE2274JF | Plastic 0.27 µF for WV-CM1780 |
| | ECQE2564JF | Plastic 0.56 µF for WV-CM2080 |
| C519 | ECQE4473JF | Plastic 0.047 µF |
| C520 | ECEA1HW4R7S | Electrolytic 4.7 µF 50V |
| C521 | EEUEB1V102E | Electrolytic 1000 µF 35V |
| C522 | EEUEB2V100E | Electrolytic 10 µF 350V |
| C523 | EEUEB2C220E | Electrolytic 22 µF 160V |
| C524 | MVUV1C104KBV | Ceramic 0.1 µF |
| C526 | EEUFB1H3R3SB | Electrolytic 3.3 µF 50V |
| C527 | MVUV1C104KBV | Ceramic 0.1 µF |
| C528 | EEUEB1H1R0SB | Electrolytic 1 µF 50V |
| C529 | EEUEB1A101SB | Electrolytic 100 µF 10V |
| C530 | EEUEB1H100SB | Electrolytic 10 µF 50V |
| C540 | ECCD2H150J5 | Ceramic 15 pF |
| C606 | EEUEB1A101SB | Electrolytic 100 µF 10V |
| C607 | F1H1H332A190 | Ceramic 3300 pF |
| C608 | EEUEB1H1R0SB | Electrolytic 1 µF 50V |
| C609 | EEUEB1H4R7SB | Electrolytic 4.7 µF 50V |
| C610 | EEUEB1H100SB | Electrolytic 10 µF 50V |
| C611 | F1H1E473A002 | Ceramic 0.047 µF |
| C612 | EEUEB1C102E | Electrolytic 1000 µF 16V |
| C613 | EEUEB1E331B | Electrolytic 330 µF 25V |
| C615 | EEUEB1H1R0SB | Electrolytic 1 µF 50V |
| C701 | EEUEB1V330SB | Electrolytic 33 µF 35V |
| C703 | EEUEB1A101SB | Electrolytic 100 µF 10V |
| C901,902 ⚠ | YWX75M224VS1 | Plastic 0.22 µF |
| C903-905 ⚠ | ECKDNA102ME | Ceramic 1000 pF |
| C906 ⚠ | ECKDNA471MB | Ceramic 470 pF |
| C907 | EETLD2G221D | Electrolytic 220 µF 400V |
| C908 | EEUEB1A101SB | Electrolytic 100 µF 10V |
| C909 | MVUV1C104KBV | Ceramic 0.1 µF |
| C910 | EEUFC1E181B | Electrolytic 180 µF 25V |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| C911 | ECQV1H124JZ | Plastic 0.12 µF |
| C912 | ECQE2104JF | Plastic 0.1 µF |
| C913 | ECKD3D471KBP | Ceramic 470 pF |
| C914 | EEUFC1E181B | Electrolytic 180 µF 25V |
| C915 | EEUEB2C101E | Electrolytic 100 µF 160V |
| C916 | EEUEB2C470E | Electrolytic 47 µF 160V |
| C917 | EEUFC1E102LE | Electrolytic 1000 µF 25V |
| C918 | ECQE2153JF | Plastic 0.015 µF |
| C919 | F1H1H332A190 | Ceramic 3300 pF |
| C920,921 | EEUFC1C471 | Electrolytic 470 µF 16V |
| C923 | EEUFC1C471 | Electrolytic 470 µF 16V |
| C924 | MVUV1C104KBV | Ceramic 0.1 µF |
| C925,926 | EEUEB1H100SB | Electrolytic 10 µF 50V |
| C927,928 | ECKD3D471KBP | Ceramic 470 pF |
| VC301 | B0CDAB000006 | Variable Capacitor |
| L101 | YWYS4034 | Delay Line |
| L108 | G0C150K00001 | Coil |
| L110 | YWYS4034 | Delay Line |
| L111 | G0C180JA0019 | Coil |
| L112 | G0C470JA0019 | Coil |
| L113 | ZJYS51R5-2PT | Coil |
| L201 ⚠ | YWFL5R200 | Coil |
| L301 | YWLAP2TA330K | Coil |
| L342 | G0C2R2KA0029 | Coil |
| L401 | YWLAP2TA330K | Coil |
| L502 | YWLN952420M | Coil |
| L503 | YWCD1020331K | Coil |
| L901 ⚠ | G0B273F00001 | Coil |
| L903,904 | YWFL5R200 | Coil |
| L905,906 | YWCD2912221 | Coil |
| CF301 | YWNFA41R???T | Ceramic Filter |
| T501 | TLH15412 | Low Freq. Transformer |
| T502 ⚠ | G4G3F0000003 | Flyback Transformer for WV-CM1480/WV-CM1780 |
| ⚠ | G4G5H0000001 | Flyback Transformer for WV-CM2080 |
| T901 ⚠ | G4D4A0000019 | Power Transformer |
| SW301-307 | K0H1BB000051 | Tact Switch |
| SW310 | YWSLHA12BP04 | Slide Switch |
| SW901 ⚠ | YWSDDFA3 | Power Switch |
| X201 | H0D443400011 | Crystal Oscillator |
| X202 | H2A156200001 | Crystal Oscillator |
| X301 | H2A800400005 | Crystal Oscillator |
| X302 | H2B903400001 | Crystal Oscillator |
| CN101,102⚠ | YWP2325 | BNC Connector |
| CN301 | K1KA04A00173 | 4-pin Connector |
| CN302,303 | YWTM11R5C66 | 6-pin Connector |
| CN401 ⚠ | K1KA04A00172 | 4-pin Connector |
| CN601 | K1KA03A00083 | 3-pin Connector |
| CN902 ⚠ | YWB2P3VH | 2-pin Connector |
| JK101 ⚠ | K2HA405B0007 | Jack |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| JK103 ⚠ | K1CB104B0035 | Jack |
| JK901 ⚠ | K2AZ3A000003 | AC Inlet Socket |
| E200 | YW49USPACER | Crystal Spacer for X201 |
| E201 | VM142L01 | Wire Ass'y for CRT Socket Board CN804 for WV-CM1480/WV-CM1780 |
| | K1PA07D00001 | Wire Ass'y for CRT Socket Board CN804 for WV-CM2080 |
| E301 ⚠ | YWML800H03P | 3-pin Terminal |
| E501 | VM142L02 | Wire Ass'y for CRT Socket Board CN807 WV-CM1480/WV-CM1780 |
| | K1PA04D00001 | Wire Ass'y for CRT Socket Board CN807 for WV-CM2080 |
| E901 | YWSK0279 | Fuse Holder for F901 |
| E902 | YWSK0280 | Fuse Holder for F901 |
| E904 | VM142L03 | Wire Ass'y for CRT Socket Board CN809 for WV-CM1480/WV-CM1780 |
| | K4EP13C00001 | Wire Ass'y for CRT Socket Board CN809 for WV-CM2080 |
| E910 | YWSK0279 | Fuse Holder for F902 |
| E911 | YWSK0280 | Fuse Holder for F902 |
| M31 | V7DA1157A3 | Heat Sink |
| M32 | V7DA1163A3 | Heat Sink for WV-CM1480/WV-CM1780 |
| M33 | YWV7DA1112A2 | Heat Sink |
| M34 | V7DA1113B3 | Heat Sink |
| M35 | V5WA2651A2 | Terminal Chassis |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| R824-826 | ERC14GK332C | Solid 3.3K ohms 1/4W |
| R827 | ERDS2TJ224 | Carbon 220K ohms 1/4W |
| R828 | ERDS2TJ101T | Carbon 100 ohms 1/4W |
| C802,804 | YWSLU7271JH | Ceramic 270 pF |
| C806 | YWSLU7271JH | Ceramic 270 pF |
| C807,808 | ECQB1H103JM3 | Plastic 0.01 µF |
| C809 | ECKD3D122KBP | Ceramic 1200 pF |
| C810 | ECA2VHG4R7B | Electrolytic 4.7 µF 350V |
| C811 | ECQB1H103JM3 | Plastic 0.01 µF |
| C812 | ECA2VHG4R7B | Electrolytic 4.7 µF 350V |
| C820 | EEUEB1E101SB | Electrolytic 100 µF 25V |
| L801-803 | YWLAP2TA560K | Coil 56 µH for WV-CM1480/WV-CM1780 |
| | LAP2TA680K | Coil 68 µH for WV-CM2080 |
| L804-806 | G0C121K00007 | Coil 120 µH for WV-CM1480/WV-CM1780 |
| | YWLAP2TA560K | Coil 56 µH for WV-CM2080 |
| CN803 ⚠ | YWHPS2199390 | CRT Socket for WV-CM1480 |
| ⚠ | K3B10CA00036 | CRT Socket for WV-CM1780 |
| ⚠ | YWHPS2199390 | CRT Socket for WV-CM2080 |
| CN804 | K1KA06A00161 | 6-pin Connector |
| CN806 | YWB1PLVTN | 1-pin Connector |
| CN807 | K1KA05A00124 | 5-pin Connector |
| CN808,809 | YWRT01T1.3B | 1-pin Connector |

## CRT SOCKET BOARD

| | | |
|---|---|---|
| PCB2 (RTL) | VM480JKY1AYP | Printed Circuit Board Ass'y for WV-CM1480 |
| | VM178JKY1AYP | Printed Circuit Board Ass'y for WV-CM1780 |
| | VM208JKY1AYP | Printed Circuit Board Ass'y for WV-CM2080 |
| Q801-803 | B1AACF000034 | Transistor |
| Q804-806 | 2SC5147 | Transistor |
| D802,803 | YW1T2TA | Diode |
| R801,802 | ERG2SJ223P | Metal 22K ohms 2W |
| R803 | ERDS2TJ104T | Carbon 100K ohms 1/4W for WV-CM1480/WV-CM1780 |
| R804,805 | ERDS2TJ102T | Carbon 1K ohms 1/4W |
| R806,807 | ERG2SJ223P | Metal 22K ohms 2W |
| R808 | ERDS2TJ104T | Carbon 100K ohms 1/4W for WV-CM1480/WV-CM1780 |
| R809 | ERDS2TJ102T | Carbon 1K ohms 1/4W |
| R810,811 | ERG2SJ223P | Metal 22K ohms 2W |
| R812 | ERDS2TJ104T | Carbon 100K ohms 1/4W for WV-CM1480/WV-CM1780 |
| R816,817 | ERDS2TJ101T | Carbon 100 ohms 1/4W |
| R819,821 | ERDS2TJ561T | Carbon 560 ohms 1/4W |
| R823 | ERDS2TJ561T | Carbon 560 ohms 1/4W |

## ACCESSORY PARTS / PACKAGING PARTS

| | | |
|---|---|---|
| E102 ⚠ | K2CT3DH00008 | Power Cord for WV-CM1480/B, WV-CM1780/B, WV-CM2080/B |
| ⚠ | K2CN2DH00001 | Power Cord for WV-CM1480/G, WV-CM1780/G, WV-CM2080/G |
| M41 ⚠ | V8QA5592BN | Operating Instructions |
| M42 | PE25X60C03B | Polyethylene Bag |
| M43 | XSS4+10FN | Fixing Screw for WV-CM2080 |
| M44 | YWT050803 | Polyethylene Bag for WV-CM2080 |
| M45 | PE80X90C1B | Polyethylene Bag for WV-CM1480/WV-CM1780 |
| | YWT100X110X1 | Polyethylene Bag for WV-CM2080 |
| M46 | PE25X35C05B | Polyethylene Bag |
| M47 | V5PA1021A2 | Rack Mounting Bracket for WV-CM2080 |
| M48 | V9CA4332ANYP | Packaging Ass'y for WV-CM1480 |
| | V9CC4363ANYP | Packaging Ass'y for WV-CM1780 |
| | V9CC4285ANYP | Packaging Ass'y for WV-CM2080 |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| JK103 ⚠ | K1CB104B0035 | Jack |
| JK901 ⚠ | K2AZ3A000003 | AC Inlet Socket |
| E200 | YW49USPACER | Crystal Spacer for X201 |
| E201 | VM142L01 | Wire Ass'y for CRT Socket Board CN804 for WV-CM1480/WV-CM1780 |
| | K1PA07D00001 | Wire Ass'y for CRT Socket Board CN804 for WV-CM2080 |
| E301 ⚠ | YWML800H03P | 3-pin Terminal |
| E501 | VM142L02 | Wire Ass'y for CRT Socket Board CN807 WV-CM1480/WV-CM1780 |
| | K1PA04D00001 | Wire Ass'y for CRT Socket Board CN807 for WV-CM2080 |
| E901 | YWSK0279 | Fuse Holder for F901 |
| E902 | YWSK0280 | Fuse Holder for F901 |
| E904 | VM142L03 | Wire Ass'y for CRT Socket Board CN809 for WV-CM1480/WV-CM1780 |
| | K4EP13C00001 | Wire Ass'y for CRT Socket Board CN809 for WV-CM2080 |
| E910 | YWSK0279 | Fuse Holder for F902 |
| E911 | YWSK0280 | Fuse Holder for F902 |
| M31 | V7DA1157A3 | Heat Sink |
| M32 | V7DA1163A3 | Heat Sink for WV-CM1480/WV-CM1780 |
| M33 | YWV7DA1112A2 | Heat Sink |
| M34 | V7DA1113B3 | Heat Sink |
| M35 | V5WA2651A2 | Terminal Chassis |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| R824-826 | ERC14GK332C | Solid 3.3K ohms 1/4W |
| R827 | ERDS2TJ224 | Carbon 220K ohms 1/4W |
| R828 | ERDS2TJ101T | Carbon 100 ohms 1/4W |
| C802,804 | YWSLU7271JH | Ceramic 270 pF |
| C806 | YWSLU7271JH | Ceramic 270 pF |
| C807,808 | ECQB1H103JM3 | Plastic 0.01 µF |
| C809 | ECKD3D122KBP | Ceramic 1200 pF |
| C810 | ECA2VHG4R7B | Electrolytic 4.7 µF 350V |
| C811 | ECQB1H103JM3 | Plastic 0.01 µF |
| C812 | ECA2VHG4R7B | Electrolytic 4.7 µF 350V |
| C820 | EEUEB1E101SB | Electrolytic 100 µF 25V |
| L801-803 | YWLAP2TA560K | Coil 56 µH for WV-CM1480/WV-CM1780 |
| | LAP2TA680K | Coil 68 µH for WV-CM2080 |
| L804-806 | G0C121K00007 | Coil 120 µH for WV-CM1480/WV-CM1780 |
| | YWLAP2TA560K | Coil 56 µH for WV-CM2080 |
| CN803 ⚠ | YWHPS2199390 | CRT Socket for WV-CM1480 |
| ⚠ | K3B10CA00036 | CRT Socket for WV-CM1780 |
| ⚠ | YWHPS2199390 | CRT Socket for WV-CM2080 |
| CN804 | K1KA06A00161 | 6-pin Connector |
| CN806 | YWB1PLVTN | 1-pin Connector |
| CN807 | K1KA05A00124 | 5-pin Connector |
| CN808,809 | YWRT01T1.3B | 1-pin Connector |

## CRT SOCKET BOARD

| | | |
|---|---|---|
| PCB2 (RTL) | VM480JKY1AYP | Printed Circuit Board Ass'y for WV-CM1480 |
| | VM178JKY1AYP | Printed Circuit Board Ass'y for WV-CM1780 |
| | VM208JKY1AYP | Printed Circuit Board Ass'y for WV-CM2080 |
| Q801-803 | B1AACF000034 | Transistor |
| Q804-806 | 2SC5147 | Transistor |
| D802,803 | YW1T2TA | Diode |
| R801,802 | ERG2SJ223P | Metal 22K ohms 2W |
| R803 | ERDS2TJ104T | Carbon 100K ohms 1/4W for WV-CM1480/WV-CM1780 |
| R804,805 | ERDS2TJ102T | Carbon 1K ohms 1/4W |
| R806,807 | ERG2SJ223P | Metal 22K ohms 2W |
| R808 | ERDS2TJ104T | Carbon 100K ohms 1/4W for WV-CM1480/WV-CM1780 |
| R809 | ERDS2TJ102T | Carbon 1K ohms 1/4W |
| R810,811 | ERG2SJ223P | Metal 22K ohms 2W |
| R812 | ERDS2TJ104T | Carbon 100K ohms 1/4W for WV-CM1480/WV-CM1780 |
| R816,817 | ERDS2TJ101T | Carbon 100 ohms 1/4W |
| R819,821 | ERDS2TJ561T | Carbon 560 ohms 1/4W |
| R823 | ERDS2TJ561T | Carbon 560 ohms 1/4W |

## ACCESSORY PARTS / PACKAGING PARTS

| | | |
|---|---|---|
| E102 ⚠ | K2CT3DH00008 | Power Cord for WV-CM1480/B, WV-CM1780/B, WV-CM2080/B |
| ⚠ | K2CN2DH00001 | Power Cord for WV-CM1480/G, WV-CM1780/G, WV-CM2080/G |
| M41 ⚠ | V8QA5592BN | Operating Instructions |
| M42 | PE25X60C03B | Polyethylene Bag |
| M43 | XSS4+10FN | Fixing Screw for WV-CM2080 |
| M44 | YWT050803 | Polyethylene Bag for WV-CM2080 |
| M45 | PE80X90C1B | Polyethylene Bag for WV-CM1480/WV-CM1780 |
| | YWT100X110X1 | Polyethylene Bag for WV-CM2080 |
| M46 | PE25X35C05B | Polyethylene Bag |
| M47 | V5PA1021A2 | Rack Mounting Bracket for WV-CM2080 |
| M48 | V9CA4332ANYP | Packaging Ass'y for WV-CM1480 |
| | V9CC4363ANYP | Packaging Ass'y for WV-CM1780 |
| | V9CC4285ANYP | Packaging Ass'y for WV-CM2080 |